

### **Minutes of 556<sup>th</sup> SEAC-1 Meeting Dated 06/08/2021**

The 556<sup>th</sup> meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 06/08/2021. Following members participated in the meeting:

1.	Shri Rajive Kumar,	Chairman, SEAC-1
2.	Dr. Ajai Mishra,	Member, SEAC-1
3.	Shri Om Prakash Srivastava,	Member, SEAC-1
4.	Dr. Brij Bihari Awasthi,	Member, SEAC-1
5.	Shri Umesh Chandra Sharma,	Member, SEAC-1
6.	Dr. Ratan Kar,	Member, SEAC-1
7.	Director, Environment	Member Secretary, SEAC-1

The Chairman welcomed the members to the 556<sup>th</sup> SEAC-1 meeting which was conducted via dual-mode (virtually/physically). The nodal officer, SEAC-1 placed agenda items with available documents.

1. **Stone (Khanda, Boulder, Gitti) at Araj No.1195/11 & 1219/11, Village-Digara, Tehsil-Sadar, Jhansi, Shri Pramod Kumar Gupta., Area-1.396 ha File No. 6336 Proposal No. SIA/UP/MIN/208009/2021**

### **RESOLUTION AGAINST AGENDA NO-01**

**Dr. Ajai Mishra, Member, SEAC-1 recused during the appraisal of this proposal. A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. The committee discussed the matter and directed the project proponent to submit the following information:**

1. Mining Plan approval letter issued by DGM, U.P. vide letter no. 2021/3/14/53478 dated 28-5-2021 wherein, it is mentioned that *"The mining plan is approved for a period of next three months from the date of execution of mining lease deed."* However, the project proponent has submitted the mine plan for five years. The proper clarification is sought, regarding the aforesaid matter.
2. The Project Proponent /Consultant has submitted a letter issued by Senior Mines Officer, Jhansi vide letter no. 42/ 30MMC/2021-22 dated 24-7-2021 addressed to Director, Directorate of Geology and Mining, U.P. regarding amendment in DSR of District, Jhansi. However, Project Proponent /Consultant couldn't produce revision/ incorporation made by the competent Authority in DSR.
3. Proper clarification regarding the discrepancy of mine depth in the mining plan and mining plan approval letter issued by DGM, UP.

**The matter shall be discussed after submission of information as above in hard copy as well as on the online portal.**

**2. Onshore Oil & Gas Exploration & Appraisal and Early Production" in GV-ONHP-2017/1, Hydrocarbon Block falling in Kheri and Shahjahanpur Districts of U.P., M/s Vedanta Ltd.(Div: Carin Oil & Gas) File No. 5902 Proposal No. SIA/UP/IND2/ 175859/2020**

A presentation was made by the project proponent along with their consultant M/s Eco Chem Sales & Services. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Onshore Oil and Gas Exploration and Appraisal and Early Production in GVONHP-2017-1 block (1817 km<sup>2</sup>) in Kheri and Shahjahanpur districts of Uttar Pradesh., M/s Vedanta Ltd.(Div: Carin Oil & Gas)
2. The proposed onshore oil and gas exploration & appraisal is expected to carry out drilling of 14 exploratories (including appraisal) wells and the exploratory and appraisal wells will be drilled to, explore the reservoirs up to a depth of 4500-5000 m approx. After successful drilling and discovery of hydrocarbon; 14 Nos of Early Production Units (EPUs)/ Quick Production Units (QPU) for produced well fluid processing and production of up to 8000 BOPD Crude Oil & associated gas of 1.2 MMSCFD of associated gas will be set up.
3. It encloses an area of 1817 Sq. Km block area and is bounded by the points having the following coordinates provided below Table.

**Co-ordinates of Block GV-ONHP-2017/1 (as per RSC)**

Corner	Latitude	Longitude
A	28° 9'57.39"N	80° 0'3.74"E
B	27°49'57.00"N	79°59'59.31"E
C	27°49'56.93"N	80°30'0.03"E
D	28° 9'54.21"N	80°29'59.79"E

**Co-ordinates of the Proposed Wells Location**

Well No	Latitude	Longitude	Village	Tehsil	District	Land Use
1.	27°53'32.31"N	80° 3'1.91"E	Kariyara village	Mohammdi	Kheri	Agricultural Land
2.	27°51'53.19"N	80°13'9.86"E	Hariharpur village	Mohammdi	Kheri	Agricultural Land
3.	27°52'3.24"N	80°20'34.86"E	Saraiyan Biliun village	Gola Gokaran Nath	Kheri	Agricultural Land
4.	27°51'54.74"N	80°26'34.93"E	Khanjan Nagar village	Mohammdi	Kheri	Agricultural Land
5.	27°58'7.22"N	80°26'43.10"E	Chandamau village	Gola Gokaran Nath	Kheri	Agricultural Land
6.	28° 4'25.51"N	80°22'9.39"E	Koriya Loharama village	Gola Gokaran Nath	Kheri	Agricultural Land
7.	28° 7'24.93"N	80°26'10.01"E	(Babupur)	Bankeyganj	Kheri	Agricultural

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			village) Grant No- 11	Block		Land
8.	28° 7'29.12"N	80°16'24.84"E	Laukikhera village	Mohammdi	Kheri	Agricultural Land
9.	28° 7'30.36"N	80° 8'29.34"E	Bilsa village	Powayan	Shahjahanpur	Agricultural Land
10.	28° 2'27.85"N	80° 2'58.09"E	Bilaiya village	Powayan	Shahjahanpur	Agricultural Land
11.	27°59'13.56"N	80°16'29.89"E	Padariya village	Lakhimpur	Kheri	Agricultural Land
12.	28° 3'7.02"N	80°11'24.76"E	Khataua village	Powayan	Shahjahanpur	Agricultural Land
13.	28° 7'35.15"N	80° 2'59.82"E	Nahil village	Powayan	Shahjahanpur	Agricultural Land
14.	27°58'4.33"N	80° 8'57.34"E	Farenda village	Mohammdi	Kheri	Agricultural Land

Note: Actual geo-graphical surface coordinates of exploratory and appraisal well locations would be within a 2000 m radius of the proposed coordinates and that will be informed before starting any activity if there is any change in the activity area.

**4. Chronology for the project as submitted by the project proponent:**

S. No.	Particulars	Date
1	ToR Application submission (as Cat 'A' project)	28.03.2019
2	Std. ToR Received	02.05.2019
3	Baseline Monitoring Period	March to May 2019
4	Submission of EIA for PH	14.10.2019
5	Public Hearing Date	3.01.2020 & 28.12.2019 (in two districts, Kheri and Shahjahanpur Uttar Pradesh)
6	Notification by MoEFCC for categorization of Oil & Gas Exploration as 'B2' project	16.01.2020
7	EC application to EAC-MoEFCC	30.04.2020
8	EDS received from EAC-MoEFCC advising submission EC application to SEIAA/ SEAC (as Cat-B2 project) in lieu of notification of MoEFCC dated 16.01.2020	31.07.2020
9	Application submitted to UP SEIAA/ SEAC for appraisal of EC under Cat- B2	30.09.2020

**5. Salient features of the project as submitted by the project proponent:**

S. No.	Particular	Description
1.	Category/ Item No. (in Schedule)	<b>1 (b) B2</b> (Offshore and onshore oil and gas exploration, development & production)
2.	Location of the Project	GV-ONHP-2017/1 hydrocarbon blocks falling in Kheri & Shahjahanpur Dist., Uttar Pradesh by <b>Vedanta Ltd. (Div.: Cairn Oil &amp; Gas)</b>

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3.	Project Details	<p>Vedanta Ltd.(Div: Cairn Oil &amp; Gas) has been allocated GV-ONHP-2017/1 block by MoPN&amp;G, GoI under the Revenue Sharing Contract (RSC) for exploration &amp; extraction of hydrocarbons.</p> <p>Proposed Project activities include Exploration, Appraisal &amp; Early Production in the block.</p> <ul style="list-style-type: none"> <li>Block Area - 1817 sq. km.</li> <li>Drilling of 14 nos. Exploratory (including appraisal) wells and setting up of 4 nos. of Early Production units for Early Production of 8000 BOPD Crude Oil &amp; 1.2 MMSCFD Natural Gas.</li> </ul>
4.	Project Cost	Rs. 401.92 Crores
5.	Land	<ul style="list-style-type: none"> <li>For Drilling, 4 - 9 ha for each well pad/ drill site on short term lease,</li> <li>Early production units will be set up within the well pad itself in case of commercially viable discovery of hydrocarbons for which land will be taken on a long-term lease.</li> </ul>
6.	Water Requirement and Source	<p>87 KLD during drilling per well and 15 KLD for each early production location.</p> <p><b>Source:</b> The water requirement for the project is minimal &amp; for a short duration and would be sourced locally from approved/ authorized sources through water tankers. No bore well will be drilled for the extraction of ground water for the project.</p>
7.	Wastewater Generation	<p>Drilling:</p> <ul style="list-style-type: none"> <li>52 KLD (12 KLD Domestic, 40 KLD from drilling operation) during drilling of each well.</li> </ul> <p>Early Production:</p> <ul style="list-style-type: none"> <li>During the operation of EPU's/QPU's, approximately 225 KLD of produced water and other wastewater (Washing, etc) 8 KLD will be generated along with 2 KLD domestic wastewater from each early production location.</li> </ul>
8.	Energy & fuel	<p><b>For drilling:</b></p> <p>3350 KVA for drilling of each well and will be made available from the following D.G. Sets:</p> <ul style="list-style-type: none"> <li>2 x 350 KVA (1W+1S) for Camp Site</li> <li>3 x 1000 KVA (2W+1S) for Drilling Site</li> <li>2 x 100 KVA (1W+1S) for Radio Room</li> <li>3 x 250 KVA (2W+1S) for Liquid mud plant</li> <li>Diesel-fired Heater-Treater or IWBH (Induced Water Bath Heater) with Well Testing / Extended Well testing Set up (350 KVA).</li> </ul>

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		<p><b>Quantity of fuel used: Approx.</b> 24 KLD for drilling</p> <p><b>For Early Production:</b> Gas Engine Generator (GEG) - 1 MW and 1X500 KVA DG Set for emergency use.</p> <p>Dual fuel (Diesel/Gas) fired Heater-Treater or IWBH (Induced Water Bath Heater) 800 KVA</p> <p><b>Kind of Fuel used:</b> HSD, Natural Gas in early production</p>
9.	Air	<p>DG sets for drilling operation (associated with drilling rig, Camp site, LMP &amp; Radio room) and flaring during well testing/ extended well testing will be the main source of pollution.</p> <ul style="list-style-type: none"> <li>• Periodic maintenance of GEG/ DG sets</li> <li>• Provision of adequate stack height with GEG/ DG sets &amp; flare</li> </ul>
10.	Manpower	80 (approx.) during drilling and 15 - 20 in early production
11.	Environment Management Plan	<p>Budget estimate for implementation of EMP including environmental monitoring</p> <ul style="list-style-type: none"> <li>• Rs.20 lakhs for each well drilling,</li> <li>• Rs.22 lakhs/ annum at each early production location.</li> </ul>
12.	Wild Life Sanctuary/ National Park/Eco-Sensitive Zone	No National Parks/ Wildlife Sanctuary/ Eco-Sensitive Zone located within 10 km from block boundary.
13.	Forest Land	<p>Unchaulia, Kakraha, Bishokhar, South Kathna, Gola, North Kathna, Nathapur Reserve Forest falls in the block area.</p> <p>None of the project activity is proposed in these forest lands. These Forest areas are not part of this EC application.</p>

**6. Waste Management during Drilling**

S.No	Waste Type	Hazardous Waste Category	During Drilling	Proposed Mitigation Measures
<b>Wastewater</b>				
1.	Drilling wastewater	-	40 KLD/well	ETP (50 KLD)
2.	Domestic wastewater	-	12 KLD/well	STP (20 KLD)- septic tank & soak pit system and the treated water would be used for dust suppression, green belt, etc.
<b>Solid, Hazardous waste &amp; Non-Hazardous Waste</b>				
1.	Drill Cuttings associated with WBM	Solid/Non-Hazardous waste	250 - 750 tons/ well	Collection into HDPE lined pit. Use for subgrade construction materials, disposal into low lying

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				areas &/ or Co-processing in cement kiln.
2.	Drill Cuttings associated with SBM	HW Sch. 2.1	500 – 1500 tons/ well	Collection in HDPE lined pit & disposal as per Hazardous & Other Wastes (Mgt. & TM) Rules, 2016 (Co-processing in cement kiln/ common HW TSDF/ HW processing facility).
3.	Spent /Residual drilling mud	2.3	250 – 500 tons/ well	Collection in HDPE lined pit & disposal as per Hazardous & Other Wastes (Mgt & TM) Rules, 2016 (Co-processing in cement kiln/ common HW TSDF/ HW processing facility).
4.	Used Oil	5.1	1-2 tons/ well	Disposal as per Hazardous & Other Wastes (Mgt. & TM) Rules, 2016.
5.	Sludge containing oil & other drilling wastes	Sch. I Cat. 2.2	250-500 tons/ well	Disposal as per Hazardous & Other Wastes (Mgt. & TM) Rules, 2016.
6.	Left over chemicals and materials, scrap metal	-	250 - 500 kg/ well	Sent to registered vendors
7.	Biodegradable waste	-	25 - 30 kg/day/well	Compost Pit

**7. Waste Management during Early Production**

S.No	Nature of waste	Hazardous Waste Category	During Early Production	Mode of Disposal
	Wastewater			
1.	Produced Water	-	225 m <sup>3</sup> from each early production location	250 KLD ETP- Would be disposed-off using either to a nearby down hole disposal well (by reinjection in abandoned well) or disposed of through the facilities suitable for onshore disposal.
2.	Trade effluent	-	10 m <sup>3</sup> from each early production location	
	Solid, Hazardous waste & Non-Hazardous Waste			
1	Oily sludge/ residues from Well work over, crude storage tank bottom cleaning	2.2	20 Ton/Year from each early production location	Will be disposed of as per Hazardous Waste Rules, 2016
2	Waste oil (Slop oil) from Well	4.3	2 Ton/Year from	Will be disposed of as per

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	work over, crude storage tank bottom cleaning		each early production location	Hazardous Waste Rules, 2016
3	ETP sludge from ETP operation	34.2	120 Ton/Year from each early production location	Will be disposed of as per Hazardous Waste Rules, 2016
4	Used oil/spent oil from DG sets maintenance and other misc.	5.1	1 KL/year from each early production location	Used oil will be sent to UPPCB authorized recyclers.
5	Oil contaminated filters, cotton, rags, gloves, etc. from Misc. maintenance	3.3 33.2	0.3 Ton/Year from each early production location	Will be disposed of as per Hazardous Waste Rules, 2016
6	Waste/residues containing oil	5.2	0.5 KL/Year from each early production location	Will be disposed of as per Hazardous Waste Rules, 2016
7	Spent Chemicals	--	0.6 Ton/Year from each early production location	Will be disposed of as per Hazardous Waste Rules, 2016
8	Spent carbon	36.2	3 Ton/Year from each early production location	Will be disposed of as per Hazardous Waste Rules, 2016
9	Discarded containers/barrels/liners contaminated with hazardous waste	33.1	50 nos./Year from each early production location	Will be disposed of as per Hazardous Waste Rules, 2016

8. It is a proposed project for Onshore Oil and Gas Exploration in the Block, GV-ONHP-2017/1 in Kheri and Shahjahanpur Districts of Uttar Pradesh which falls in the category - 1(b) of the schedule of the EIA Notification-2006.
9. Since the project falls in the B2 category as per the MoEF&CC's amendment EIA Notification vide S.O.236(E) dated 16.01.2020, the public consultation is not required as per paragraph 7 (i) (III) (i) (e) of the Environment Impact Assessment Notification-2006.

**RESOLUTION AGAINST AGENDA NO-02**

*The Project Proponent/consultant also shared the same type of Environmental clearance granted in the state of Gujrat, Rajasthan, and Assam. The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-5 to the minutes. The General and specific conditions*

*are mainly based on the environmental clearances issued in these states because with the available information with the directorate and SEAC-1 such type of a project is completely new for the issuance of environmental clearance for the state of Uttar Pradesh.*

3. **Sand/Morrum Mining along Betwa River Bed in Khand No.- 10/22, at Village- Beri, Tehsil-Hamirpur, District-Hamirpur., Area-36.437 Ha). File No. 4390 Proposal NoSIA/UP/MIN/216509/2021**

The committee noted that the terms of reference in the matter were issued by SEIAA, U.P. Ref. No.: 370/Parya/SEAC/4390/2017 Dated 05 September 2018. The public hearing was organized on 04.12.2018. and the final EIA report submitted was on 30.01.2019

Thereafter, the committee observed that the matter was earlier discussed in the 391st SEAC Meeting Dated 08/03/2019 wherein, the committee deliberated that: -

***“The committee gone through the letter dated 05/03/2019 submitted by project proponent Shri Mithlesh Kumar Gupta, M/s Annapurna Udyog. and directed the Secretariat to send a letter to District Mining Officer, Hamirpur for providing the factual report of the project site.”***

Thereafter, the committee also noted that the case was further considered in 520th SEAC Meeting Dated 11/01/2021 wherein, the committee deliberated that: -

***“The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at annexure-2 & 3 to these minutes regarding mining project.”***

Subsequently, the case was considered in the 442<sup>nd</sup> Meeting of the SEIAA, UP held on 14.01.2021 wherein, ***“SEIAA noted that SEAC has recommended to grant EC to the above project. SEIAA gone through the file, documents and found that geo-coordinates mentioned in the application/minutes of SEAC are different from geo-coordinates mentioned in DMO Hamirpur letter no. 1836/khanij-MMC-30-vividh (2019-20) dated 14.12.2020. Hence SEIAA opined that project proponent shall clarify the same.”***

Thereafter, the case was considered in the 450<sup>th</sup> Meeting of the SEIAA, UP held on 22.02.2021 wherein, ***“SEIAA gone through the letter of the project proponent dated 02.02.2021 regarding consideration of geo-coordinates mentioned in letter of DMO dated 14.12.2020. SEIAA opined to refer the letter to SEAC for review/comments.”***

The committee noted that the case was then considered in 531st SEAC Meeting Dated 10/03/2021 wherein, the committee deliberated that: -

***“As per the direction of SEIAA, the matter was listed in 531<sup>st</sup> SEAC meeting dated 10/03/2021. The committee went through the file and documents and noted that there is discrepancy between the information regarding geo-coordinates in form-1, approved mine plan and affidavit dated 24/08/2018 submitted by PP/consultant, and the information provided in factual report provided by Mining Officer, Hamirpur on dated 14/12/2020. In view of this, the Mining Officer, Hamirpur is requested to***



*clarify that which set of geo-coordinates is correct and also furnish the following information within a week after the receipt of the letter from SEIAA to consider the application for EIA appraisal:*

- 1. Total lease area for consideration.*
- 2. Total verified workable and submerged area marked on lease map in ammonia print along with verified Geo-coordinates by DMO.*
- 3. Revised form-1 as per the latest position of the area and geo-coordinates.”*

The project proponent submitted the reply vide letter dated 07-4-2021 annexing the report from district mining officer, Hamirpur vide letter no.3053/khanij-MMC-30-vivid (2020-21) dated 27-03-2021.

The committee observed that the case was then considered in 540th SEAC Meeting Dated 16/04/2021 wherein, SEAC deliberated that:

***“The committee discussed the letter no. 3053, dated 27/03/2021 and advised the project proponent to submit amendment in TOR application in the light of factual report provided by District Mining Officer, Hamirpur vide letter dated 27/03/2021”.***

The project proponent made an online application for amendment in ToR's vide its proposal number SIA/UP/MIN/ 216509/2021 on 23-06-2021.

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development). Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Sand/Morrum Mining along Betwa River Bed in Khand No.- 10/22, at Village- Beri, Tehsil- Hamirpur, District-Hamirpur, U.P. Sri Mithlesh Kumar Gupta (Applied Area- 36.437 ha).

**2. Salient features of the project as submitted by the project proponent:**

1.	Name of Proponent	Sri Mithlesh Kumar Gupta
2.	Full correspondence address of proponent and mobile no.	Sri Mithlesh Kumar Gupta S/o Mahendra Kumar Gupta R/o 128/380, K Block, Kidwai Nagar, District – Kanpur Nagar, Uttar Pradesh – 208011 Mobile no. – 098380 70314 E mail ID - annapurnaudyog.minerals@gmail.com
3.	Name of Project	Environmental Clearance for proposed “Sand/Morrum mining” having lease area 36.437 ha (90.03 acres) along River Betwa Khand No. 10/22 at Village – Beri, Tehsil- Hamirpur, Dist. Hamirpur, U. P. of M/s Annapurna Udyog.
4.	Project Location (Plot. Khsra/Gata No.)	Khand No. 10/22
5.	Name of River	River Betwa
6.	Name of Village	Village Beri, Tehsil – Beri, District Hamirpur U. P.
7.	Tehsil –	Beri,
8.	District	Hamirpur U. P.
9.	Name of Mineral	Sand/Morrum
10.	Sanctioned Lease Area (in ha)	36.437 ha

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11.	Max. & Min mRL within the lease area	The highest mRL is 104.80 mRL* The lowest mRL is 94.40 mRL* Working depth 3.00 m Zero Level of the project site: 94.00 mRL*			
12.	Pillar Geo-Coordinates (Verified by DMO)	River Betwa in khand No. 10/22 at Village – Beri, Tehsil- Hamirpur, District- Hamirpur, U. P. (Verified by DMO by letter no. 3053/Khanij-MMC-30- vivid(2020-21), dated 27/03/2021&Map)			
		Pillar	Latitude	Longitude	
		Total Area 36.437 ha			
		A	25 <sup>0</sup> 52’ 45.20’’ N	79 <sup>0</sup> 54’ 08.96’’ E	
		B	25 <sup>0</sup> 52’ 58.05’’ N	79 <sup>0</sup> 54’ 17.65’’ E	
		C	25 <sup>0</sup> 52’ 50.11’’ N	79 <sup>0</sup> 54’ 29.66’’ E	
		D	25 <sup>0</sup> 52’ 22.01’’ N	79 <sup>0</sup> 54’ 21.21’’ E	
13.	Total Geological Reserves	8,05,392 m3			
14.	Total Mineable Reserve in LOI	5,82,912 m3/year (Calculated 4,84,143 m3)			
15.	Total Proposed Production	29,84,448 m3 (in 5 years)			
16.	Proposed Production/year	5,82,912 m3/annum			
17.	Sanctioned Period of Mine lease	5 years			
18.	Production of mine/day	2332m3/day			
19.	Method of Mining	Opencast semi-mechanized			
20.	No. of working days	250			
21.	Working hours/day	8			
22.	No of Worker	90			
23.	No. of vehicles movement/day	195			
24.	Type of Land	Govt/Non-Forest Land (Riverbed)			
25.	Ultimate of Depth of Mining	3.0 m depth			
26.	Nearest metalled road from site	1.2 km			
27.	Water Requirement	PURPOSE			
		Drinking		- 0.90 KLD	
		Suppression of dust		- 7.8 KLD	
		Plantation		- 0.44 KLD	
		Others (if any)		- 0.00 KLD	
		Total		- 9.14 KLD	
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh Servicing Environment & Development. NABET/EIA/1821/ RA 0120 Valid till – 19/10/2021			
31.	Any litigation pending against the project or land in any court	No			
32.	Details of 500 m Cluster Certificate verified by Mining Officer	Letter No – 1822/Khanij-MMC-30- Vividh (2020-21) dated 10/12/2020			
33.	Details of Lease Area in approved	Serial no. 75			

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	DSR	Page no. 02
34.	Project Cost	1.11 Crore/annum
35.	Proposed CER Cost	2.22 lacs/annum
36.	Proposed EMP Cost	11.98 lacs
37.	Length and breadth of Haul Road	Length – 0.65 km Breadth – 6.00 m
38.	No. of Trees to be Planted	440

3. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
4. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
5. There is no litigation pending in any court regarding this project.
6. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-03**

The SEAC-1 observed that as per the factual report submitted by DMO through its letter no 3053/Khanij-MMC-30- vivid (2020-21), dated 27/03/2021 addressed to SEAC the geo-coordinates of the lease area are given below.

Pillar	Latitude	Longitude
A	25 <sup>0</sup> 52' 45.20'' N	79 <sup>0</sup> 54' 08.96'' E
B	25 <sup>0</sup> 52' 58.05'' N	79 <sup>0</sup> 54' 17.65'' E
C	25 <sup>0</sup> 52' 50.11'' N	79 <sup>0</sup> 54' 29.66'' E
D	25 <sup>0</sup> 52' 22.01'' N	79 <sup>0</sup> 54' 21.21'' E

However, the geo-coordinates in the terms of reference issued by SEIAA, U.P. vide ref. no.: 370/Parya/SEAC/4390/2017 dated 05 September 2018 are:-`

Pillar	Latitude	Longitude
A	25° 52' 44.66"N	79° 54' 10.71"E
B	25° 52' 57.20"N	79° 54' 18.59"E
C	25° 52' 48.93"N	79° 54' 31.95"E
D	25° 52' 22.83"N	79° 54' 24.45"E

The SEAC-1 also checked that the polygon drawn based on pillar coordinates given in earlier ToR's and the polygon drawn based on revised pillar coordinates seems to be almost overlapping and the committee is in the view that under the present circumstances it doesn't make any significant difference in environmental parameters. The SEAC-1 also observed that the case was considered earlier in the 520<sup>th</sup> SEAC meeting dated 11/01/2021 wherein, the committee discussed the matter and recommended a grant of environmental clearance for the project proposal along with general and specific conditions as annexed at annexure-2 & 3 to concerning minutes regarding mining project. The committee further recommends that:-

- 1- To amend the pillar coordinates in the ToR's issued vide letter Ref. No.: 370/Parya/SEAC/4390/2017 Dated 05 September 2018 keeping rest all the conditions as the same.

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- 2- SEIAA may like to grant the Environment Clearance to the said project as per the 520th SEAC meeting dated 11-01-2021 along with the aforesaid amendments.

4. **Stone (Khanda, Gitti& Boulder) Mine at Gata No.-587, Khand No.-03, at Village- Nahari, Tehsil-Naraini, Banda, U.P. Area-2.0 ha. File No. 5844/ 4784 Proposal No. SIA/UP/MIN/ 56743/2019**

The committee noted that the matter was earlier discussed in the 497<sup>th</sup> SEAC meeting Dated 05/10/2020 wherein, the project proponent/consultant did not appear in the meeting and also not circulated the documents to the members of SEAC on time. Hence, the committee directed to defer the matter. The file shall not be treated as pending at SEAC. The matter will be discussed only after the submission of the online request on the prescribed online portal.

The project proponent/ Consultant submitted their reply on 08-8-2021 in hard copy

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development). Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Environmental clearance is sought for Stone (Khanda, Gitti& Boulder) Mine at Gata No.- 587, Khand No.-03, at Village- Nahari, Tehsil-Naraini, Banda, U.P Shri Ankur Shivhare S/o Shri Bhagwati Shivhare (Applied Area- 2.0 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 196/Parya/SEAC/4784/2019, dated: 31/07/2019. The public hearing was organized on 11/02/2020.

**3. Salient features of the project as submitted by the project proponent:**

1.	Name of Proponent	<b>Shri Ankur Shivhare S/o Shri Bhagwati Shivhare</b>		
2.	Full correspondence address of proponent	Add- 421/ 4 C.P. Mission Compound, Thana- Cipri Bazar, Tehsil & District- Jhansi, U.P.		
3.	Name of Project	Building Stone (Khanda, Gitti & Boulder) Mining Project		
4.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 587, Khand No.- 03		
5.	Name of Village	Nahari		
6.	Tehsil	Naraini		
7.	District	Banda		
8.	Name of Minor Mineral	Building Stone (Khanda, Gitti & Boulder)		
9.	Sanctioned Lease Area (in Ha.)	2.0 ha.		
10.	Max.& Min mRL within lease area	205.0 mRL- 168.0 mRL		
11.	Pillar Coordinates(Verified by DMO)	<b>Pillars</b>	<b>Latitude (N)</b>	<b>Longitude (E)</b>
		A	25° 05' 28.58"	80° 21' 52.97"
		B	25° 05' 37.72"	80° 21' 56.45"
		C	25° 05' 36.72"	80° 21' 55.65"
		D	25° 05' 27.57"	80° 21' 55.19"
12.	Total Geological Reserves	19,06,491 m <sup>3</sup>		

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13.	Total Mineable Reserves	6,93,384 m <sup>3</sup>	
14.	Total Proposed Production (in five year)	1,00,000 m <sup>3</sup>	
15.	Proposed Production / year	<b>Year</b>	<b>Production</b>
		1 <sup>st</sup>	20,000 m <sup>3</sup>
		2 <sup>nd</sup>	20,000 m <sup>3</sup>
		3 <sup>rd</sup>	20,000 m <sup>3</sup>
		4 <sup>th</sup>	20,000 m <sup>3</sup>
		5 <sup>th</sup>	20,000 m <sup>3</sup>
		Total	1,00,000 m <sup>3</sup>
16.	Sanctioned Period of Mine lease	10 Years	
17.	Production of mine/day	66.67 m <sup>3</sup>	
18.	Method of Mining	Opencast Semi-Mechanized	
19.	No.of working days	300 days	
20.	Working hours/day	8 Hours/Day	
21.	No.Of workers	33	
22.	No.Of vehicle movement /day	6 (approx.)	
23.	Type of Land	Govt. land Non- Agricultural	
24.	Ultimate Depth of Mining	6 Meter	
25.	Nearest metalled road from site	0.25 km	
26.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking & Others	0.35
		Suppression of dust	3.00
		Plantation	1.10
		Others( if any)	-----
		Total	4.45
27.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity- 19/10/2021	
28.	Any litigation pending against the project or land in any court	No	
29.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Banda vide Letter No. 3311/Khanij-30, Banda, Dated- 30/12/2020	
30.	Details of Lease Area in approved DSR	Correction Letter sanctioned from DMO Banda Letter No.- 1374/khanij-30, Banda Page No.- 3, S.No.- 54	
31.	Proposed CER cost	1.35 Lakh	
32.	Proposed EMP cost	11.97 Lakh	
33.	Length and breadth of Haul Road.	Length- 0.25 Km, Width- more than 6.0 m	
34.	No. of Trees to be Planted	270	

4. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.

5. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-04**

**The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to the minutes. The committee also stipulated the following specific conditions:**

1. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The mining plan approved by the Dept. of Mines and Geology, Uttar Pradesh shall be strictly implemented and shall not be operated beyond the validity period.
7. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
8. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
9. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
10. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
11. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
12. The project proponent should explore the possibilities of rainwater harvesting.

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**5. Stone (Khanda, Gitti& Boulder) Mine at Gata No.-587, Khand No.-06, Village-Nahari, Tehsil-Naraini, Banda. M/s MaaSharda Associates, Area-2.0 ha File No. 5848/ 4791 Proposal No. SIA/UP/MIN/ 50695/2019**

A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development). Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Stone(Khanda, Gitti& Boulder) Mine at Gata No.-587, Khand No.-06, Village-Nahari, Tehsil-Naraini, Banda, U.P. M/s MaaSharda Associates, (Applied Area- 2.0 ha.)
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 184/Parya/SEAC/4791/2019, dated: 31/07/2019. The public hearing was organized on 20/11/2019. Online Final EIA report submitted on 17/09/2020.

**3. Salient features of the project as submitted by the project proponent:**

1.	Name of Proponent	M/s Maa Sharda Associates Prop.- Shri Akash Khatri S/o Shri Omprakash Khatri		
2.	Full correspondence address of proponent	R/o- Mohalla- Madhiyanaka, Thana, City & District– Banda, U.P.		
3.	Name of Project	Building Stone (Khanda, Gitti & Boulder) Mining Project		
4.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 587, Khand No.- 06		
5.	Name of Village	Nahari		
6.	Tehsil	Naraini		
7.	District	Banda		
8.	Name of Minor Mineral	Building Stone (Khanda, Gitti & Boulder)		
9.	Sanctioned Lease Area (in Ha.)	2.0 ha.		
10.	Max.& Min mRL within lease area	189.0 mRL- 164.0 mRL		
11.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	25° 05' 25.62"	80° 21' 59.43"
		B	25° 05' 34.81"	80° 22' 02.93"
		C	25° 05' 33.73"	80° 22' 05.33"
		D	25° 05' 24.74"	80° 22' 01.30"
12.	Total Geological Reserves	16,55,785 m <sup>3</sup>		
13.	Total Mineable Reserves	6,64,698 m <sup>3</sup>		
14.	Total Proposed Production (in five year)	1,00,000 m <sup>3</sup>		
15.	Proposed Production / year	Year		Production
		1 <sup>st</sup>		20,000 m <sup>3</sup>
		2 <sup>nd</sup>		20,000 m <sup>3</sup>
		3 <sup>rd</sup>		20,000 m <sup>3</sup>
		4 <sup>th</sup>		20,000 m <sup>3</sup>
		5 <sup>th</sup>		20,000 m <sup>3</sup>
		Total		1,00,000 m <sup>3</sup>
16.	Sanctioned Period of Mine lease	10 Years		

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17.	Production of mine/day	66.67 m <sup>3</sup>	
18.	Method of Mining	Opencast Semi-Mechanized	
19.	No.of working days	300 days	
20.	Working hours/day	8 Hours/Day	
21.	No.Of workers	33	
22.	No.Of vehicle movement /day	6 (approx.)	
23.	Type of Land	Govt. land Non- Agricultural	
24.	Ultimate Depth of Mining	6 Meter	
25.	Nearest metalled road from site	0.10 km	
26.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking & Others	0.35
		Suppression of dust	1.20
		Plantation	0.85
		Others( if any)	-----
		Total	2.40
27.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/1821/RA0120, Validity- 19/10/2021	
28.	Any litigation pending against the project or land in any court	No	
29.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Banda vide Letter No. 3308/Khanij-30, Banda, Dated- 30/12/2020	
30.	Details of Lease Area in approved DSR	Correction Letter sanctioned from DMO Banda Letter No.- 1374/khanij-30, Banda Page No.- 3, S.No.- 57	
31.	Proposed CER cost	1.30 Lakh	
32.	Proposed EMP cost	11.16 Lakh	
33.	Length and breadth of Haul Road.	Length- 0.10 Km, Width- more than 6.0 m	
34.	No. of Trees to be Planted	210	

4. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
5. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-05**

**The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to the minutes. The committee also stipulated the following specific conditions:**

1. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.



2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
  3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
  4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
  5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
  6. The mining plan approved by the Dept. of Mines and Geology, Uttar Pradesh shall be strictly implemented and shall not be operated beyond the validity period.
  7. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
  8. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
  9. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
  10. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
  11. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
  12. The project proponent should explore the possibilities of rainwater harvesting.
6. **Sand/Morrum Mining from BetwaRiverbed at Gata No.-747, Khand No.- 03, Village- Pathrehta, Tehsil- Kalpi, Jalaun., Area: 16.194 ha. File No. 6246/ 5931Proposal No. SIA/UP/MIN/ 62127/2021**

A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Sand/Morrum Mining from Betwa Riverbed at Gata No.- 747, Khand No.- 03, Village- Pathrehta, Tehsil- Kalpi, Jalaun, U.P., (Applied Area- 16.194 ha.).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 610/parya/SEAC/5931/2019 dated 07/01/ 2021.
3. The public hearing was organized on 01-03-2021. Online Final EIA report submitted 23-03-2021.
4. Salient features of the project as submitted by the project proponent:

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1.		Name of Proponent	M/s Abundance Toujours Private Limited Prop. Shri Nikhil Jain S/o Shri Sumat Sagar Jain		
2.		Full correspondence address of proponent and mobile No.	13A, UNV Block, Shalimar Bagh, Delhi.		
3.		Name of Project	Proposed riverbed Sand/Morrum mining project from Betwa River for Shri Nikhil Jain		
4.		Project location (Plot/Khasra/Gata No.)	Gata No. 747, Khand No. 03		
5.		Name of River	Betwa		
6.		Name of Village	Pathrehta		
7.		Tehsil	Kalpi		
8.	District		JALAUN		
9.	Name of Minor Mineral		Sand		
10.	Sanctioned Lease Area (in Ha.)		16.194		
11.	Max & Min mRL within lease area		Max- 103 mRL and Min- 100.73 mRL		
12.	Pillar Coordinates (Verified by DMO)		Sanctioned Mining Lease Area		
Pillar No.			Latitude	Longitude	
A			25°52'50.77"N	79°48'36.83"E	
B			25°52'54.29"N	79°48'38.09"E	
C			25°53'5.66"N	79°48'39.05"E	
D			25°53'3.54"N	79°48'50.62"E	
E			25°52'48.48"N	79°48'50.74"E	
13.	Total Geological Reserves		5,37,205cum		
14.	Total Mineable Reserves in LOI		3,23,880 cum/ Annum		
15.	Total Proposed Production in 5 year		16,19,400 cum		
16.	Proposed Production/year		3,23,880 cum		
17.	Sanctioned Period of Mine lease		5 years		
18.	Production of mine/day		1,245.69		
19.	Method of Mining		Semi-mechanized		
20.	No. of working days		260		
21.	Working hours/day		8 hours		
22.	No. of workers		63		
23.	No. of vehicles movement/day		94		
24.	30. Type of Land		Government waste land		
25.	Ultimate Depth of Mining		2.27		
26.	Nearest metalled road from site		1.8 km		
27.	Water Requirement		PURPOSE		REQUIREMENT (KLD)
			Drinking		0.63
			Suppression of dust		7.44
			Plantation		0.85
			Total		8.92
28.	Name of QCI Accredited Consultant with QCI No and period of validity.		Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022		

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29.	Any litigation pending against the project or land in any court	No
30.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified
31.	Details of Lease Area in approved DSR	Yes, given in the DSR
32.	Proposed EMP cost including CER Cost	Capital Cost-Rs.1.10 Lac, Recurring Cost-4.66 Lac/year
33.	39. No. of Trees to be Planted	425 plants

5. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-06**

**The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at annexure-2 & 3 to these minutes regarding the mining project. The committee also stipulated the following specific conditions:**

1. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
2. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
3. Environment management should be according to the environmental status and impact of the project.
4. The selection of plants for the green belt should be based on the pollution removal index.
5. No mining activity should be carried out in-stream channel as per SSMMG, 2016 (as amended thereof).
6. Pakka motorable haul road to be maintained by the project proponent.
7. A separate Environmental Management Cell with suitably qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
8. Permission from the competent authority regarding the evacuation route should be taken.
9. The project proponent should ensure the survival of tree saplings. Mortality should be replaced from time to time.
10. Site Pit photographs should be submitted with date, time, and point-coordinate within 15 days.
11. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
12. Provision for the cylinder to workers should be made for cooking.
13. The capacity of trucks/tractors for loading purposes will be in tonnage as per Transport Department applicable norms and standard fixed by the Government.

14. Provide suitable masks to the workers.
  15. Approach road kaccha is to be made motorable and tree saplings to be planted on both sides of the road.
  16. Indigenous plants should be planted according to CPCB guidelines and in consultation with the local Divisional Forest Officer.
  17. The project proponent shall in 2 years conduct a detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
  18. Provision for two toilets and hand pumps should be made at the mining site.
  19. Drinking water for workers would be provided by tankers.
  20. Mining should be done by Bar scaling methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016 (as amended thereof).
  21. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
  22. The Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.
  23. Health/Insurance cards, medical claims, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
  24. Measure for the conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activities in CER.
  25. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. A suitable measure should be taken and details to be provided to concerned Department.
  26. The width of the haul road shall be more than 6 meters.
  27. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity/production levels shall be decreased/stopped accordingly till the replenishment is completed.
7. **Sand/Morrum Mining from BetwaRiverbed at Gata No.-747, Khand No.- 06, Village- Pathrehta, Tehsil- Kalpi, Jalaun., M/s Krishna Techno Consultant Pvt. Ltd., Area: 10.121 ha File No. 6247/ 5934 Proposal No. SIA/UP/MIN/ 62183/2020**

A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Environmental Clearance is sought for Sand/Morrum Mining from Betwa Riverbed at Gata No.- 747, Khand No.- 06, Village- Pathrehta, Tehsil- Kalpi, Jalaun., M/s Krishna Techno Consultant Pvt. Ltd., Area: 10.121 ha
2. The Terms of reference in the matter were issued by SEIAA U.P vide letter no: 612/parya/SEAC/5934/2019 dated 7th /1/ 2021.
3. The Public Hearing was organized on 01-03-2021. Final EIA report submitted on. 23-03-2021
4. Salient features of the project as submitted by the project proponent:

1.	Name of Proponent	M/S KRISHNA TECHNO CONSULTANT PVT LTD SHRI SHYAM MOHAN TIWARI.
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2.	Full correspondence address of proponent and mobile No.	R/O- 03 BHAWANI NAGAR NEAR BHEL GATE NO. 01 INDRAPURI, BHOPAL, M.P																																																																		
3.	Name of Project	Proposed riverbed Sand/Morrum mining project from Betwa River for M/S KRISHNA TECHNO CONSULTANT PVT LTD																																																																		
4.	Project location (Plot/Khasra/Gata No.)	Gata No. 747, Khand No. 06																																																																		
5.	Name of River	Betwa																																																																		
6.	Name of Village	Pathrehta																																																																		
7.	Tehsil	Kalpi																																																																		
8.	District	JALAUN																																																																		
9.	Name of Minor Mineral	Sand																																																																		
10.	Sanctioned Lease Area (in Ha.)	10.121																																																																		
11.	Max & Min mRL within lease area	Max- 101 mRL and Min- 99.2 mRL																																																																		
12.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th align="center" colspan="3">Sanctioned Mining Lease Area</th></tr> <tr> <th>Pillar No.</th><th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr><td>A</td><td>25°53'47.19"N</td><td>79°48'28.69"E</td></tr> <tr><td>B</td><td>25°54'6.10"N</td><td>79°48'25.01"E</td></tr> <tr><td>C</td><td>25°54'1.60"N</td><td>79°48'30.83"E</td></tr> <tr><td>D</td><td>25°54'0.20"N</td><td>79°48'32.18"E</td></tr> <tr><td>E</td><td>25°53'56.27"N</td><td>79°48'33.20"E</td></tr> <tr><td>F</td><td>25°53'54.09"N</td><td>79°48'35.43"E</td></tr> <tr><td>G</td><td>25°53'48.00"N</td><td>79°48'38.48"E</td></tr> <tr> <td align="center" colspan="3">Workable area</td></tr> <tr><td>B</td><td>25°54'6.10"N</td><td>79°48'25.01"E</td></tr> <tr><td>C</td><td>25°54'1.60"N</td><td>79°48'30.83"E</td></tr> <tr><td>D</td><td>25°54'0.20"N</td><td>79°48'32.18"E</td></tr> <tr><td>E</td><td>25°53'56.27"N</td><td>79°48'33.20"E</td></tr> <tr><td>F</td><td>25°53'54.09"N</td><td>79°48'35.43"E</td></tr> <tr><td>G</td><td>25°53'48.00"N</td><td>79°48'38.48"E</td></tr> <tr><td>H</td><td>25°53'47.47"N</td><td>79°48'31.43"E</td></tr> <tr><td>I</td><td>25°53'59.16"N</td><td>79°48'26.36"E</td></tr> <tr> <td align="center" colspan="3">Non-Workable area</td></tr> <tr><td>H</td><td>25°53'47.47"N</td><td>79°48'31.43"E</td></tr> <tr><td>I</td><td>25°53'59.16"N</td><td>79°48'26.36"E</td></tr> <tr><td>A</td><td>25°53'47.19"N</td><td>79°48'28.69"E</td></tr> </tbody> </table>	Sanctioned Mining Lease Area			Pillar No.	Latitude	Longitude	A	25°53'47.19"N	79°48'28.69"E	B	25°54'6.10"N	79°48'25.01"E	C	25°54'1.60"N	79°48'30.83"E	D	25°54'0.20"N	79°48'32.18"E	E	25°53'56.27"N	79°48'33.20"E	F	25°53'54.09"N	79°48'35.43"E	G	25°53'48.00"N	79°48'38.48"E	Workable area			B	25°54'6.10"N	79°48'25.01"E	C	25°54'1.60"N	79°48'30.83"E	D	25°54'0.20"N	79°48'32.18"E	E	25°53'56.27"N	79°48'33.20"E	F	25°53'54.09"N	79°48'35.43"E	G	25°53'48.00"N	79°48'38.48"E	H	25°53'47.47"N	79°48'31.43"E	I	25°53'59.16"N	79°48'26.36"E	Non-Workable area			H	25°53'47.47"N	79°48'31.43"E	I	25°53'59.16"N	79°48'26.36"E	A	25°53'47.19"N	79°48'28.69"E
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19.	Total Geological Reserves	2,51,663m <sup>3</sup>																																																																		
20.	Total Mineable Reserves in LOI	1,51,815 m <sup>3</sup> /annum																																																																		
21.	Total Proposed Production in 5 year	7,59,075 cum																																																																		
22.	Proposed Production/year	1,51,815 m <sup>3</sup> /annum																																																																		
23.	Sanctioned Period of Mine lease	5 years																																																																		
24.	Production of mine/day	583.90																																																																		
25.	Method of Mining	Semi-mechanized																																																																		
26.	No. of working days	260																																																																		
27.	Working hours/day	8 hours																																																																		
28.	No. of workers	56																																																																		

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29.	No. of vehicles movement/day	44
30.	Type of Land	Government waste land
31.	Ultimate Depth of Mining	2.12
32.	Nearest metalled road from site	0.7 km
33.	Water Requirement	PURPOSE
		REQUIREMENT (KLD)
		Drinking
		Suppression of dust
		Plantation
		Total
		0.56
		8.4
		0.55
		9.51
34.	Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022
35.	Any litigation pending against the project or land in any court	No
36.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified
37.	Details of Lease Area in approved DSR	Yes, given in the DSR
38.	Proposed EMP cost including CER Cost	Capital Cost-Rs.1.10 Lac, Recurring Cost-4.50 Lac/year (CER cost-1,70,000)
39.	No. of Trees to be Planted	425 plants

5. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-07**

**The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at annexure-2 & 3 to these minutes regarding the mining project. The committee also stipulated the following specific conditions:**

1. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
2. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
3. Environment management should be according to the environmental status and impact of the project.
4. The selection of plants for the green belt should be based on the pollution removal index.

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5. No mining activity should be carried out in-stream channel as per SSMMG, 2016 (as amended thereof).
  6. Pakka motorable haul road to be maintained by the project proponent.
  7. A separate Environmental Management Cell with suitably qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
  8. Permission from the competent authority regarding the evacuation route should be taken.
  9. The project proponent should ensure the survival of tree saplings. Mortality should be replaced from time to time.
  10. Site Pit photographs should be submitted with date, time, and point-coordinate within 15 days.
  11. One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
  12. Provision for the cylinder to workers should be made for cooking.
  13. The capacity of trucks/tractors for loading purposes will be in tonnage as per Transport Department applicable norms and standard fixed by the Government.
  14. Provide suitable masks to the workers.
  15. Approach road kaccha is to be made motorable and tree saplings to be planted on both sides of the road.
  16. Indigenous plants should be planted according to CPCB guidelines and in consultation with the local Divisional Forest Officer.
  17. The project proponent shall in 2 years conduct a detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
  18. Provision for two toilets and hand pumps should be made at the mining site.
  19. Drinking water for workers would be provided by tankers.
  20. Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016 (as amended thereof).
  21. A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
  22. The Corporate Environmental Responsibility (CER) plan shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018.
  23. Health/Insurance cards, medical claims, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
  24. Measure for the conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activities in CER.
  25. The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. A suitable measure should be taken and details to be provided to concerned Department.
  26. The width of the haul road shall be more than 6 meters.
  27. Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity/production levels shall be decreased/stopped accordingly till the replenishment is completed.
13. **Stone (Sand Stone Mining) Mine at Khasra/ Gata No.-37, VillageDakahi,Tehsil- Chunar, District- Mirzapur, U.P., Area-1.21Ha. File No. 5408 Proposal No. SIA/UP/MIN/ 48287/2019**

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A presentation was made by the project proponent along with their consultant M/s Globus environment engineering services. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. Stone (Sand Stone Mining) Mine at Khasra/ Gata No.-37, Village Dakahi, Tehsil- Chunar, District- Mirzapur, U.P M/s Mamrej Construction Pvt. Ltd. by Shri Hari Shankar Dubey, (Applied Area- 1.21ha.)
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 59/ Parya/SEAC/5408/2019, dated 20th May 2020. The public hearing was organized on 08/01/2021. Online Final EIA report submitted on 05/06/2021.
3. Salient features of the project as submitted by the project proponent:

1.	Name of Proponent	M/s Mamrej Construction Pvt. Ltd. by Shri Hari Shankar Dubey															
2.	Full correspondence address of proponent and mobile no.	M/s Mamrej Construction Pvt. Ltd. By Shri Hari Shankar Dubey R/o- Flat no. 84, Balaji Nagar Colony, Samneghat, Sadar, Mirzapur, Uttar Pradesh. <b>Mobile no.-</b> <b>E-mail Id- <a href="mailto:mamrejconstructionpvtltd@gmail.com">mamrejconstructionpvtltd@gmail.com</a></b>															
3.	Name of Project	Building Stone (Sandstone) Mining Village –Dakahi, Tehsil-Chunar, District–Mirzapur, Uttar Pradesh															
4.	Project Location (Plot.Khasra/Gata No.)	Gata No. –37, Village –Dakahi, Tehsil-Chunar, District–Mirzapur, Uttar Pradesh															
5.	Name of River	NA															
6.	Name of Village	Dakahi															
7.	Tehsil	Chunar															
8.	District	Mirzapur															
9.	Name of Minor Mineral	Building Stone (Sandstone) Mining															
10.	Sanctioned Lease Area (in Ha.)	1.21 ha.															
11.	Max. & Min mRL within lease area	109mRL															
	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Pillar No</th><th>N</th><th>E</th></tr> </thead> <tbody> <tr> <td>A</td><td>25° 02.263'N</td><td>83°03.745'E</td></tr> <tr> <td>B</td><td>25° 02.200'N</td><td>83°03.755'E</td></tr> <tr> <td>C</td><td>25° 02.168'N</td><td>83°03.705'E</td></tr> <tr> <td>D</td><td>25° 02.248'N</td><td>83°03.690'E</td></tr> </tbody> </table>	Pillar No	N	E	A	25° 02.263'N	83°03.745'E	B	25° 02.200'N	83°03.755'E	C	25° 02.168'N	83°03.705'E	D	25° 02.248'N	83°03.690'E
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B	25° 02.200'N	83°03.755'E															
C	25° 02.168'N	83°03.705'E															
D	25° 02.248'N	83°03.690'E															
12.	Total Geological Reserves	946143 m <sup>3</sup>															
13.	Total Mineable Reserve (as per Approved Mine Plan)	284067 m <sup>3</sup>															
14.	Total Proposed Production	12100 m <sup>3</sup> /year															
15.	Proposed Production /year	12100 m <sup>3</sup> /year															
16.	Sanctioned Period of Mine lease	1.21 ha.															
17.	Production of mine/day	40 m <sup>3</sup> /day															
18.	Method of Mining	Opencast, Semi-Mechanized															
19.	No. of working days	300															
20.	Working hours/day	8															
21.	No. of worker	21															



**Minutes of 556<sup>th</sup> SEAC-1 Meeting Dated 06/08/2021**

22.	No. of vehicles movement/day	15	
23.	Type of Land	Private land	
24.	Ultimate of Depth of Mining	66mRL	
25.	Nearest metalled road from site	0.11 km	
26.	Water Requirement	<b>PURPOSE</b>	<b>REQUIREMENT (KLD)</b>
		Drinking	0.7 KLD
		Suppression of dust	4.0 KLD
		Plantation	0.2 KLD
		<b>Total</b>	<b>4.9 KLD</b>
27.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Globus environment engineering services SL. NO. 85, VALID TILL 30/06/2021	
28.	Any litigation pending against the project or land in any court	No	
29.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 1519	
30.	Details of Lease Area in approved DSR	1.21 ha.	
31.	Proposed CER cost	Rs. 1.50 lakh	
32.	Proposed EMP cost	Total project cost-75.16 lakh	
33.	Length and breadth of Haul Road	0.11 km & 6m	
34.	No. of Trees to be Planted	100	

- The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
- The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
- There is no litigation pending in any court regarding this project.
- The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-08**

**The committee discussed the matter and recommended the grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to the minutes. The committee also stipulated the following specific conditions:**

- During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
- At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
- Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
- The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
- In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.

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6. The mining plan approved by the Dept. of Mines and Geology, Uttar Pradesh shall be strictly implemented and shall not be operated beyond the validity period.
7. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
8. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
9. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
10. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
11. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
12. The project proponent should explore the possibilities of rainwater harvesting.
14. **Stone (Sand Stone Mining) Mine at Khasra/ Gata No.-188 mi, VillageLahaura, Tehsil- Chunar, Mirzapur, U.P., Area-0.909 Ha.File No. 5409 Proposal No. SIA/UP/MIN/ 48341/2019**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Environmental Clearance is sought for Stone (Sand Stone Mining) Mine at Khasra/ Gata No.-188 mi, VillageLahaura, Tehsil- Chunar, Mirzapur, U.P, M/s Mamrej Construction Pvt. Ltd. by Shri Hari Shankar Dubey Area-0.909 Ha
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 46/ Parya/SEAC/5409/2019, dated 20th May 2020.
3. The public hearing was organized on 16/01/2021. Online Final EIA report submitted on 05/06/2021.
4. **Salient features of the project as submitted by the project proponent:**

1.	Name of Proponent	M/s Mamrej Construction Pvt. Ltd. by Shri Hari Shankar Dubey
2.	Full correspondence address of proponent and mobile no.	M/s Mamrej Construction Pvt. Ltd. By Shri Hari Shankar Dubey R/o- Flat no. 84, Balaji Nagar Colony, Samneghat, Sadar, Mirzapur, Uttar Pradesh. <b>E-mail Id-</b> mamrejconstructionpvtltd@gmail.com
3.	Name of Project	Building Stone (Sandstone) Mining Village –Lahaura, Tehsil-Chunar, District–Mirzapur, Uttar Pradesh

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4.	Project Location (Plot.Khasra/Gata No.)	Gata No. –188Mi, Village –Lahaura, Tehsil-Chunar, District–Mirzapur, Uttar Pradesh		
5.	Name of River	NA		
6.	Name of Village	Lahaura		
7.	Tehsil	Chunar		
8.	District	Mirzapur		
9.	Name of Minor Mineral	Building Stone (Sandstone) Mining		
10.	Sanctioned Lease Area (in Ha.)	0.909 ha.		
11.	Max. & Min mRL within the lease area	172mRL		
12.	Pillar Coordinates (Verified by DMO)	Pillar No	N	E
		A	24° 59.762'N	82°45.752'E
		B	24° 59.782'N	82°45.783'E
		C	24° 59.765'N	82°45.816'E
		D	24° 59.737'N	82°45.820'E
		E	24° 59.714'N	82°45.752'E
13.	Total Geological Reserves	634224 m <sup>3</sup>		
14.	Total Mineable Reserve (as per Approved Mine Plan)	239445 m <sup>3</sup>		
15.	Total Proposed Production	9090 m <sup>3</sup> /year		
16.	Proposed Production /year	9090 m <sup>3</sup> /year		
17.	Sanctioned Period of Mine lease	0.909 ha.		
18.	Production of mine/day	30 m <sup>3</sup> /day		
19.	Method of Mining	Opencast, Semi-Mechanized		
20.	No. of working days	300		
21.	Working hours/day	8		
22.	No. of worker	20		
23.	No. of vehicles movement/day	11		
24.	Type of Land	Private land		
25.	Ultimate of Depth of Mining	128mRL		
26.	Nearest metalled road from site	1.0 km		
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking	0.6 KLD	
		Suppression of dust	4.0 KLD	
		Plantation	1.0 KLD	
		Total	5.6 KLD	
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Globus environment engineering services SL. NO. 85, VALID TILL 30/06/2021		
29.	Any litigation pending against the project or land in any court	No		
30.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 1056		
31.	Details of Lease Area in approved DSR	0.909 ha.		
32.	Proposed CER cost	Rs. 1.48 lakh		
33.	Proposed EMP cost	Total project cost-0.55 Cr		
34.	Length and breadth of Haul Road	1.0 km & 6m		
35.	No. of Trees to be Planted	150		

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5. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-09**

The SEAC-1 observed that as per the lease map approved by Senior mines officer, Mirzapur and the letter issued by DMO, Mirzapur vide letter no 1099/Khanij 2021, dated 06/8/2021 addressed to the secretary, SEIAA, UP, and the geo-coordinates of the lease area are given below.

Pillar No	N	E
A	24° 59.762'N	82°45.752'E
B	24° 59.782'N	82°45.783'E
C	24° 59.765'N	82°45.816'E
D	24° 59.737'N	82°45.820'E
E	24° 59.714'N	82°45.752'E

However, the geo-coordinates in the terms of reference issued by SEIAA, U.P. vide ref. no.: 46/Parya/SEAC/5409/2019, dated 20th May 2020 are:-`

Points	Latitude	Longitude
A	24° 59.762'N	82°45.752'E
B	25° 59.782'N	82°45.783'E
C	25° 59.765'N	82°45.816'E
D	25° 59.737'N	82°45.820'E
E	25° 59.714'N	82°45.752'E

After through examination, the SEAC-1 observed that due to clerical mistake, the coordinates of point A (25° 59.782'N, 82°45.752'E) B(25° 59.782'N, 82°45.783'E) ,C(25° 59.765'N, 82°45.816'E), D(25° 59.737'N, 82°45.820'E) & E(25° 59.714'N, 82°45.752'E) was mentioned in place of A (24° 59.762'N, 82°45.752'E) B(24° 59.782'N, 82°45.783'E) ,C(24° 59.765'N, 82°45.816'E), D(24° 59.737'N, 82°45.820'E) & E(24° 59.714'N, 82°45.752'E). The committee also noted that the Project Proponent/Consultant has submitted the final EIA report based on the correct geo-coordinates.

**The committee discussed the matter and recommended the grant of environmental clearance for the project proposal on the corrected geo-coordinates provided by the Senior Mines Officer/District Mines Officer, Mirzapur along with general and specific conditions as annexed at Annexure-1 to the minutes. The committee also stipulated the following specific conditions:**

1. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
2. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.

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3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The mining plan approved by the Dept. of Mines and Geology, Uttar Pradesh shall be strictly implemented and shall not be operated beyond the validity period.
7. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
8. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
9. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
10. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
11. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
12. The project proponent should explore the possibilities of rainwater harvesting.
15. **Stone (Sand Stone Mining) Mine at Khasra/Gata No.-188 mi, Khand No.-V/1, Village-Lahaura, Tehsil-Chunar, Mirzapur., Area-2.02 Ha File No. 5410 Proposal No. SIA/UP/MIN/ 49909/2020**

A presentation was made by the project proponent along with their consultant M/s Globus Environment Engineering Services. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The Environmental Clearance is sought Stone (Sand Stone Mining) Mine at Khasra/Gata No.-188 mi, Khand No.-V/1, Village-Lahaura, Tehsil-Chunar, Mirzapur, M/s Mamrej Construction Pvt. Ltd. by Shri Hari Shankar Dubey, Area-2.02 Ha
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 61/Parya/SEAC/5410/2019, dated 20 May 2019.
3. The public hearing was organized on 16/01/2021. Online Final EIA report submitted on 05/06/2021.
4. **Salient features of the project as submitted by the project proponent:**

7.	Name of Proponent	M/s Mamrej Construction Pvt. Ltd. by Shri Hari Shankar Dubey
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8.	Full correspondence address of proponent and mobile no.	M/s Mamrej Construction Pvt. Ltd. By Shri Hari Shankar Dubey R/o- Flat no. 84, Balaji Nagar Colony, Samneghat, Sadar, Mirzapur, Uttar Pradesh.		
		<b>Mobile no.-</b>		
		<b>E-mail Id-</b> <a href="mailto:mamrejconstructionpvtltd@gmail.com">mamrejconstructionpvtltd@gmail.com</a>		
9.	Name of Project	Building Stone (Sandstone) Mining Village –Lahaura, Tehsil-Chunar, District–Mirzapur, Uttar Pradesh		
10.	Project Location (Plot.Khasra/Gata No.)	Gata No. –188Mi, khand V/1, Village –Lahaura, Tehsil-Chunar, District–Mirzapur, Uttar Pradesh		
11.	Name of River	NA		
12.	Name of Village	Lahaura		
13.	Tehsil	Chunar		
14.	District	Mirzapur		
15.	Name of Minor Mineral	Building Stone (Sandstone) Mining		
16.	Sanctioned Lease Area (in Ha.)	2.02 ha.		
17.	Max. & Min mRL within the lease area	178mRL		
18.	Pillar Coordinates (Verified by DMO)	<b>Pillar No</b>	<b>N</b>	<b>E</b>
		A	24° 59.815'N	82°45.682'E
		B	24° 59.845'N	82°45.709'E
		C	24° 59.714'N	82°45.752'E
		D	24° 59.693'N	82°45.712'E
19.	Total Geological Reserves	1475343 m <sup>3</sup>		
20.	Total Mineable Reserve (as per Approved Mine Plan)	535446 m <sup>3</sup>		
21.	Total Proposed Production	20200 m <sup>3</sup> /year		
22.	Proposed Production /year	20200 m <sup>3</sup> /year		
23.	Sanctioned Period of Mine lease	2.02 ha.		
24.	Production of mine/day	67 m <sup>3</sup> /day		
25.	Method of Mining	Opencast, Semi-Mechanized		
26.	No. of working days	300		
27.	Working hours/day	8		
28.	No. of worker	21		
29.	No. of vehicles movement/day	08		
30.	Type of Land	Private land		
31.	Ultimate of Depth of Mining	134mRL		
32.	Nearest metalled road from site	300m		
33.	Water Requirement	<b>PURPOSE</b>	<b>REQUIREMENT (KLD)</b>	
		Drinking	0.7 KLD	
		Suppression of dust	5.0 KLD	
		Plantation	0.3 KLD	

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		<b>Total</b>	<b>6.0 KLD</b>
34.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Globus environment engineering services SL. NO. 85, VALID TILL 30/06/2021	
35.	Any litigation pending against the project or land in any court	No	
36.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 1055	
37.	Details of Lease Area in approved DSR	2.02 ha.	
38.	Proposed CER cost	Rs. 1.48 lakh	
39.	Proposed EMP cost	Total project cost-74 lakh	
40.	Length and breadth of Haul Road	300m & 6m	
41.	No. of Trees to be Planted	150	

5. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

**RESOLUTION AGAINST AGENDA NO-10**

The SEAC-1 observed that as per the lease map approved by Senior mines officer, Mirzapur and the letter issued by DMO, Mirzapur vide letter no 1100/Khanij 2021, dated 06/8/2021 addressed to the secretary, SEIAA, UP, and the geo-coordinates of the lease area are given below.

<b>Pillar No</b>	<b>N</b>	<b>E</b>
A	24° 59.815'N	82°45.682'E
B	24° 59.845'N	82°45.709'E
C	24° 59.714'N	82°45.752'E
D	24° 59.693'N	82°45.712'E

However, the geo-coordinates in the terms of reference issued by SEIAA, U.P. vide ref. no.: 61/Parya/SEAC/5410/2010, dated 20th May 2020 are:-`

<b>Points</b>	<b>Latitude</b>	<b>Longitude</b>
A	24° 59.815'N	82°45.682'E
B	25° 59.845'N	82°45.709'E
C	25° 59.714'N	82°45.752'E
D	25° 59.693'N	82°45.712'E

After through examination, the SEAC-1 observed that due to clerical mistake, the coordinates of point A (24° 59.815'N, 82°45.682'E) B(25° 59.845'N, 82°45.709'E), C(25° 59.714'N, 82°45.752'E) &D(25° 59.693'N, 82°45.712'E) was mentioned in place of A (24° 59.815'N, 82°45.682'E) B(24° 59.845'N, 82°45.709'E), C(24° 59.714'N, 82°45.752'E), D(24° 59.693'N, 82°45.712'E). The committee

also noted that the Project Proponent/Consultant has submitted the final EIA report based on the correct geo-coordinates.

**The committee discussed the matter and recommended the grant of environmental clearance for the project proposal on the corrected geo-coordinates provided by the Senior Mines Officer/District Mines Officer, Mirzapur along with general and specific conditions as annexed at Annexure-1 to the minutes. The committee also stipulated the following specific conditions:**

1. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
2. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The mining plan approved by the Dept. of Mines and Geology, Uttar Pradesh shall be strictly implemented and shall not be operated beyond the validity period.
7. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
8. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
9. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
10. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
11. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
12. The project proponent should explore the possibilities of rainwater harvesting.
16. **Existing Formaldehyde Manufacturing Unit with Capacity of 160 TPD at C-8, UPSID, Industrial Area, Khalilabad, District- Sant Kabir Nagar, U.P., M/s Gorakhnath Formulations Pvt. Ltd. File No. 6436 Proposal No. SIA/UP/IND3/ 64317/2021**



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A presentation was made by the project proponent along with their consultant M/s Vardan Environet. Based on the documents submitted and presentation made by the project proponent along with the consultant. Based on documents and presentations made by the consultant following facts have emerged: -

- 1- The proposal is for Terms of Reference for Formaldehyde Manufacturing Unit of 160 TPD Capacity at Plot No. C-8, UPSIDC Industrial Area, Khalilabad, Sant Kabir Nagar District UP by Gorakhnath Formulations Private Limited.
- 2- Date of submission for TOR 06 /7/ 2021
- 3- Unit operating since 2012 without prior Environmental Clearance, thus violations of the EIA Notification, 2006(as amended).

**4- The chronology of events as submitted by the project proponent:**

Sr. No.	Date	Description
1	27/07/2012	NOC/CTE Vide Reference no. F98506/C-6/NOC/106/GKP issued from UPPCB dated 27/07/2012 for production of 160 TPD Formaldehyde.
2	08/03/2019	The latest CTO was granted vide Reference No.-51026/UPPCB/BASTI (UPPCBBRO)/CTO/WATER/SANT KABIR NAGAR/2019 and Reference No.-51030/UPPCB/BASTI (UPPCBBRO)/CTO/AIR/SANT KABIR NAGAR/2019 and valid up to 31.12.2021.
3	03/06/2021	NGT order dated 03.06.2021 for the Original Application No. 840/2019 concluded: “no further direction appears to be necessary except that the <b>State PCB may ensure that the unit does not re-start functioning without requisite statutory clearance</b> ”.
4	03/06/2021	The final NGT order dated 03.06.2021 for Original Application No. 287/2020 concluded “Since prior EC is statutory mandate, the same must be complied. We have no doubt that the stand of the private respondents will be duly considered by the concerned regulatory authorities, including the MoEF&CC on merits and in accordance with law but till compliance of statutory mandate, the units cannot be allowed to function. For past violations, the concerned authorities are free to take appropriate action in accordance with polluter pays principle, following due process.”
5	06/07/2021	Application submission through Online portal of MoEFCC for approval of ToR
6	12/07/2021	Proposal accepted and standard ToR was granted

**5- Salient features of the project as submitted by the project proponent:**

1.	Total Plot Area	4000 Sq. m.				
2.	Land in Possession	The land is already under the possession of M/s Gorakhnath Formulations Pvt. Ltd. The land is developed by UPSIDC for industrial activities purposes.				
3.	Project boundar	Sr.No	Point	Latitude	Longitude	Elevation
		1	Core	26°46'18.82N	83° 5'12.60"E	81

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	y coordina tes	2	Corner-1	26°46'20.22N	83° 5'11.94"E	80
		3	Corner-2	26°46'19.68N	83° 5'13.67"E	80
		4	Corner-3	26°46'17.39N	83° 5'12.71"E	80
		5	Corner-5	26°46'17.86N	83° 5'10.91"E	80
4.	Producti on Capacity :	Product				Capacity
		Formaldehyde				160 TPD
5.	Raw material : Methanol , Transportation: By Road in designed tankers Storage: stored in undergro und M.S tanks.	Requirement				Source
		72 TPD				Kandla Port, Gujarat
6.	No. of worker	15 workers				
7.	Total water requirement & source					
8	Unit(KLD)				Source	
9	160 KLD				Ground Water. Application for permission of extracting Ground water will be submitted to the concerned authority.	
Water Consumption Pattern						
10	Formaldehyde Manufacturing Capacity				160 TPD	
11	RO Water Required for 1 MT Formaldehyde				0.37 KLD	
12	RO Water Required for 160 MT Formaldehyde				59.2 KLD	
13	Cooling Tower Makeup Water				60.0 KLD	
14	Evaporation loss (In process)				10.0 KLD	
15	Total RO Water Required				129.2 KLD	
16	Raw water requirement for RO Feed				152 KLD	
17	Raw water requirement for domestic use				1.5 KLD	
	Total raw water requirement				153.5 KLD	

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Waste Water Generation				
18	Process (RO Reject)			22.8 KLD
19	Cooling Tower Bleed-off			5.0 KLD
Total Waste water generation from water treatment				27.8 KLD (Used for dilution and gardening)
Domestic Waste water generation				1.0 KLD
Solid Waste Generation and disposal				
Sr. No.	Waste type	Category as per the Hazardous Wastes (Management and Trans-boundary Movement) Rule, 2016	Quantity TPM	Disposal technique
1	Used Oil	5.1	0.05	Sent to Registered Recycler
3	Boiler Ash	Non-Hazardous Solid waste	2.1	Used for gardening
8.	Total Power Requirement for the Project			
	Unit(KVA)		Source	
	280 KVA		Uttar Pradesh State Electricity Board	
9.	Power Backup			
	DG sets installed		Numbers	Capacity
			02	125 KVA
			01	180 KVA (standby )
	Boiler		01	0.5 TPD
	Stack details of Boiler and DG set			
	Stack Numbers		1	2
	Attached to		Boiler	DG. Set
	Fuel Type		Indian Coal	HSD
	MOC		MS	MS
	Shape		Round	Round
	Height		20	8
	Internal Diameter in mm		300	100

**6- Details of Violation**

<b>S. No.</b>	<b>Period</b>	<b>Production</b>	<b>Remark</b>
1	July 2012 to Present	Formaldehyde Manufacturing (160 TPD)	Prior EC was not secured before setting up and operating the unit, hence covered

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			violation as per EIA Notification 2006 and subsequent amendments.
2	<b>Capital Cost of the project</b>		
The fixed cost for the project is 413.50 Lakhs.			

- 7- There is no litigation pending in any court regarding this project.
- 8- The said project/activity is covered under Category “B1” of item 5(f) ”Synthetic Organic Chemicals” of the Schedule to the EIA Notification, 2006(as amended). and requires EC from State Environmental Impact Assessment Authority, Govt. of Uttar Pradesh.
- 9- The committee was informed that the Ministry had issued a Notification vide S.O. 804 (E) dated 14<sup>th</sup> March 2017 for appraisal of projects for grant of the term of reference/Environmental Clearance. Which have started work on-site, expanded the production beyond the limit of Environmental Clearance, or changed the product mix without obtaining prior Environmental Clearance under EIA Notification, 2006.  
The above said notification i.e. Notification vide S.O. 804 (E) dated 14<sup>th</sup> March 2017 was an open window for 6 months. The projects or activities which are in violation as on date of this notification only will be eligible to apply for environmental clearance under this notification and the project proponents can apply for environmental clearance under this notification only within six months from the date of this notification.
- 10- The Competent Authority in the Ministry (in other proposal) has inter-alia, instructed to deal with the violation cases as under:
  - i.) The violation proposals should be considered by sectoral EAC on merit
  - ii.) Action to be taken against the alleged violations as per law
  - iii.) Do not wait for either the evidence of action having been started or violation proceedings to finish before taking up the case on merit
  - iv.) The EC is given after consideration on merit would be valid from the date it is given and not with retrospective effect. For the period before it, if the violation is established by the Court of the competent authority, the punishment/penalty as per law would be imposed.
  - v.) Assessment of Environmental Damage, if any.
- 11- The committee was also appraised that there were three recent court cases in the Hon’ble NGT [viz. Dastak NDO Syncochem Organics Pvt. Ltd. & Ors in OA No. 287 of 2020, Vineet Nagar Vs. Central Ground Water Authority & Ors. In OA No. 298 of 2020 and Ayush Garg Vs. Union of India & Ors. In OA No. 840 of 2019], which were disposed of by Hon’ble NGT vide its Order dated 03.06.2021 with the following direction:
  - i.) For the past violations, the concerned authorities are free to take appropriate action in accordance with polluter pays principle, following due process.
  - ii.) Since having prior EC is a statutory mandate, it has to be complied with by the formaldehyde producing industries units barring which the units cannot be allowed to function.
  - iii.) State PCB may assess and recover the compensation for illegal operation of the units on the “Polluter Pays” Principle
  - iv.) State PCB to ensure that the unit does not re-start functioning without requisite Statutory Clearance.

- v.) To be duly considered by the concerned regulatory authorities including MoEFCC on merit and in accordance with the law.

**Resolution 11**

SEAC-1 has noted through the Parivesh Portal of MoEF&CC that in this case ToR has already been granted on 12-7-2021 by MoEF&CC. The committee agrees with the standard TOR issued by MoEF&CC. However, being a violation case, the committee also stipulated the following additional ToR's as under:

- 1- The project proponent will be liable to pay the penalty for the period of violation, as may be determined by Ministry, arisen due to constructing and/or operating the project without prior EC. An undertaking in this regard shall be submitted by PP along with the EC proposal. The project proponent shall also submit the details on the cost incurred on the establishment of the project and year-wise total turnover till date.
- 2- The Directions of the Hon'ble NGT shall be implemented vide its Orders dated 03.06.2021, in the matter of Dastak NGO vs Syncochem Organics Pvt. Ltd. & Ors. in OA No. 287 of 2020; Vineet Nagar Vs. Central Ground Water Authority & Ors, in OA No. 298 of 2020; and Ayush Garg Vs Union of India & Ors. in OA No. 840 of 2019]. Implementation Report may be submitted by the project proponent at the time of submission of EIA/EMP Report.
- 3- The State Government/ SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC.
- 4- UPPCB may assess and recover compensation for illegal operation of the Units on the 'Polluter Pays' principle. Implementation Report may be submitted by the SPCB at the time of submission of EIA/EMP Report by the project proponent.
- 5- Assessment of ecological damage with respect to air, water, land, and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment. The cost for assessment of environmental damage may be guided by the Ministry of Environment, Forest and Climate Change O.M No. 19-125/2019-IA.III, dated 05.03.2020.
- 6- EMP shall be prepared comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- 7- The remediation plan and the natural and community resource augmentation plan are to be prepared as an independent chapter in the EIA report by the accredited consultants.
- 8- The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB before the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- 9- Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly.
- 10- You are required to submit a Final EIA/EMP report prepared by consultants accredited with the Quality Council of India/National Accreditation Board of Education and Training (QCI/NABET), to

SEIAA/SEAC for grant of environmental clearance within 3 years as per Ministry's OM No. J-11013/41/2006-IA. II (I) dated 8<sup>th</sup> October 2014.

**Annexure-1**

**General and Specific Conditions for Gitti, Patthar & Boulder Mining Projects: -**

**A. General Conditions:**

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under the law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization, and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, the quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of the mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and also displayed on the website.
7. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Regional office, MoEF, GoI, Lucknow, and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dated 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading, and at transfer points shall be provided and properly maintained.

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10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs/muffs and health records of the workers shall be maintained.
11. Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease traps shall be installed before the discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like masks and they shall also be imparted adequate training and information on safety and health aspects.
13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
14. The transportation of the materials shall be limited to the day hours' time only.
15. Provision shall be made for housing the laborers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
16. A separate Environmental Management Cell with suitably qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
17. The Project Proponent shall inform the Regional Office, MoEF, GoI, Lucknow, and State Pollution Control Board regarding the date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
18. The funds earmarked for environmental protection measures shall be kept in a separate account and shall not be diverted for other purposes. The year-wise expenditure shall be reported to the MoEF, GoI, Lucknow, and State Pollution Control Board
19. The Regional Office, MoEF, GoI, Lucknow, and State Pollution Control Board shall monitor compliance with the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing, and other documents information should be given to the Regional Office of the MoEF, GoI, Lucknow, and State Pollution Control Board
20. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat, and Municipal Bodies as applicable in the matter.
21. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Level Environment Impact Assessment Authority (SEIAA).
22. The Project Proponent has to submit a regular half-yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the SEIAA, U.P. on 1st June and 1st December of each calendar year.
23. The SEIAA may alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.
24. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

**B. Specific Conditions:**

1. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
2. This environmental clearance does not create or verify any claim of the applicant on the proposed site/activity.
3. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and the area is less than 05ha, but factually the distance is less than 500 mt, and the mine is located in the cluster of area equal to or more than 05ha, the E.C issued will stand revoked.
4. This environmental clearance shall be subject to a valid lease in favor of the project proponent for the proposed mining proposals. In case, the project proponent does not have a valid lease, this environmental clearance shall automatically become null and void.
5. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan.
6. Explosive cannot be stored on the site.
7. A comprehensive EIA including mining areas within 15 K.M. to assess the impact of the mining activity on the surrounding area shall be undertaken and a report submitted to this Authority within one year.
8. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
9. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation work in the exhausted pit shall be completed to ensure that reclamation, forest cover, and vegetation are visible during the first year of mining operations in the next pit. This process will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore-bearing area is worked for expansion.
10. An adequate buffer zone shall be maintained between two consecutive mineral-bearing deposits.
11. The sprinkling of water on haul roads to control dust will be ensured by the project proponent.
12. Green belt development shall be carried out considering CPCB guidelines including the selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of the afforestation programme besides tree plantation. The company shall involve local people in the plantation programme. Details of year-wise afforestation programme including rehabilitation of mined-out area shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow every year.
13. Blast vibrations study shall be conducted and an observation report submitted to the regional office, MoEF&CC, GoI, Lucknow, and UPPCB within six months. The report shall also include measures for the prevention of blasting associated impact on nearby houses and agricultural fields.
14. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the daytime only.
15. Appropriate arrangement for shelter and drinking water for the mining workers has to be ensured at the mining site.
16. Maintenance of village roads used for transportation of minerals is to be done by the company regularly at its own expense. The roads shall be blacktopped.
17. Rainwater harvesting shall be undertaken to recharge the groundwater source.



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18. Status of implementation shall be submitted to the Regional Office, MoEF&CC, GoI, Lucknow, and UP Pollution Control Board within six months and thereafter every year from the next consequent year.
19. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
20. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geotextile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
21. Trenches/garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. An adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial *nallahs* if any flowing through the ML area and silts arrested. De-silting at regular intervals shall be carried out.
22. Garland drain of appropriate size, gradient, and length shall be constructed for both mine pit and waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide an adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.
23. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Regional Office, MoEF, GoI, Lucknow, and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine, and drainage in the direction of flow of groundwater shall be set up and records maintained.
24. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Regional Office, MoEF&CC, GoI, Lucknow, and U.P. Pollution Control Board regularly.
25. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
26. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure are to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with the installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of the beneficiary and gram Pradhan along with phone number, photographs should be submitted to Directorate as well as to the District Magistrate / Chief Development officers.
27. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanisms so that no spillage of mineral/dust takes place.
28. Occupational health and safety measures for the workers including identification of work-related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust, etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including the health records of the workers. Awareness programmes for workers on the impact of mining on their health and precautionary measures like the use of personal protective equipment etc. shall be carried out periodically. A

review of the impact of various health measures shall be conducted followed by follow-up action wherever required.

29. The project proponent will ensure for employing local people as per requirement, necessary protection measures around the mine pit and waste dump, and garland drain around the mine pit and waste dump.
30. Topsoil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of the mined-out area. Topsoil shall be separately stacked for utilization later for reclamation and shall not be stacked along with overburden.
31. Overburden (OB) shall be stacked at the earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of a maximum of 10 m and the overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface runoff.
32. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, and U.P. Pollution Control Board on a six-monthly basis.
33. The slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by the Indian Bureau of Mines.
34. Permission for the abstraction of groundwater shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e., pre-monsoon (April-May), monsoon (August), post-monsoon (November), and winter (January), and the data thus collected shall be regularly sent to MoEF&CC, Central Ground Water Authority, and Regional Director, Central Ground Water Board.
35. The wastewater from the mine shall be treated to conform to the prescribed standards before discharging into the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, Central Pollution Control Board, and the State Pollution Control Board.
36. Hydrogeological study of the area shall be reviewed by the project proponent annually. In case the adverse effect on groundwater quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on groundwater is implemented.
37. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the period of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through the wildlife sanctuary if any in the study area.
38. Prior permission from the Competent Authority shall be obtained for the extraction of groundwater if any.
39. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.

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40. Project Proponent shall explore the possibility of using solar energy where ever possible.
41. Commitment towards CER has to be followed strictly.
42. Regular health check-up record of the mineworkers has to be maintained at the site in a proper register. It should be made available for inspection whenever asked.
43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB, and other Govt. Agencies from time to time.
44. The blasting will be done only after getting permission from the Mining Department.

**Annexure-2**

**GENERAL CONDITIONS PRESCRIBED BY SEIAA/SEAC, UP FOR SAND/MORUM MINING PROPOSALS**

**General Conditions:**

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under the law.
3. Any change in the mining area, khasra numbers, entailing capacity addition with change in process and or mining technology, modernization, and scope of working shall again require prior Environmental Clearance as per the provisions of EIA Notification, 2006 (as amended).
4. Precise mining area will be jointly demarcated at the site by the project proponent and officials of the Mining/Revenue department before starting mining operations. Such site plan, duly verified by the competent authority along with a copy of the Environmental Clearance letter will be displayed on a hoarding/board at the site. A copy of the site plan will also be submitted to SEIAA within 02 months.
5. Mining and loading shall be done only within day hours.
6. No mining shall be carried out in the safety zone of any bridge and/or embankment.
7. It shall be ensured that standards related to ambient air quality/effluent as prescribed by the Ministry of Environment & Forests are strictly complied with. Water sprinklers and other dust control majors should be applied to take care of dust generated during the mining operation. The sprinkling of water on haul roads to control dust will be ensured by the project proponent.
8. All necessary statutory clearances shall be obtained before the start of mining operations. If this condition is violated, the clearance shall be automatically deemed to have been cancelled.
9. Parking of vehicles should not be made in public places.
10. No tree-felling will be done in the leased area, except only with the permission of the Forest Department.
11. No wildlife habitat will be infringed.
12. It shall be ensured that excavation of minor minerals does not disturb or change the underlying soil characteristics of the river bed /basin, where mining is carried out.
13. It shall be ensured that the mining operation of Sand/Moram will not in any way disturb the velocity and flow pattern of the river water significantly.
14. It shall be ensured that there is no fauna dependent on the river bed or areas close to mining for its nesting. A report on the same, vetted by the competent authority shall be submitted to the RO, PCB, and SEIAA within 02 months.
15. A primary survey of flora and fauna shall be carried out and data shall be submitted to the RO, PCB, and SEIAA within six months.
16. The hydro-geological study shall be carried out by a reputed organization/institute within six months and establish that mining in the said area will not adversely affect the groundwater regime. The report shall be submitted to the RO, PCB, and SEIAA within six months. In case the adverse impact is observed /anticipated, mining shall not be carried out.
17. Adequate protection against dust and other environmental pollution due to mining shall be made so that the habitations (if any) close by the leased area are not adversely affected. The status of

implementation of measures taken shall be reported to the RO, UPPCB, and SEIAA, and this activity should be completed before the start of sand mining.

18. Need-based assessment for the nearby villages shall be conducted to study economic measures which can help in improving the quality of life of an economically weaker section of society. Income-generating projects/tools such as the development of fodder farms, fruit-bearing orchards, vocational training, etc. can form a part of such a programme. The project proponent shall provide a separate budget for community development activities and income-generating programmes.
19. Green cover development shall be carried out following CPCB guidelines including the selection of plant species and in consultation with the local DFO/Horticulture Officer.
20. Separate stockpiles shall be maintained for excavated topsoil if any, and the topsoil should be utilized for green cover/tree plantation.
21. Dispensary facilities for first-aid shall be provided at the site.
22. The District Mining Officer should quarterly monitor compliance with the stipulated conditions. The project proponent will extend full cooperation to the District Mining Officer by furnishing the requisite data/information/monitoring reports. In case of any violations of stipulated conditions, the District Mining Officer will report to SEIAA.
23. The project proponent shall submit six-monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard & soft copies) to the SEIAA, the District Officer, and the respective Regional Office of the State Pollution Control Board by 1st June and 1st December every year.
24. A copy of the clearance letter shall be sent by the proponent to the concerned Panchayat, Zila Parishad/ Municipal Corporation, and Urban Local Body.
25. Transportation of materials shall be done by covering the trucks/tractors with tarpaulin or other suitable mechanisms to avoid fugitive emissions and spillage of minerals/dust.
26. Wastewater, from the temporary habitation campus, be properly collected & treated before discharging into water bodies the treated effluent should conform to the standards prescribed by MoEF/CPCB.
27. Measures shall be taken for control of noise level to the limits prescribed by C.P.C.B.
28. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities. Maintenance of Village roads through which transportation of minor minerals is to be undertaken shall be carried out by the project proponent regularly at his own expense.
29. Measure for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried out with geotextile matting or other suitable material.
30. Under corporate social responsibility, a sum of 5% of the total project cost or total income whichever is higher is to be earmarked for the total lease period. Its budget is to be separately maintained. CER components shall be prepared based on the need of the local habitant. Income-generating measures which can help in the upliftment of poor section of society, consistent with the traditional skills of the people shall be identified. The programme can include activities such as the development of fodder farms, fruit-bearing orchards, free distribution of smokeless Chula, etc.
31. Possibility for adopting the nearest three villages shall be explored and details of civic amenities such as roads, drinking water, etc. proposed to be provided at the project proponent's expenses shall be submitted within 02 months from the date of issuance of Environment Clearance.
32. The funds earmarked for environmental protection measures should be kept in a separate account and should not be diverted for other purposes. Year-wise expenditure should be reported to the

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Ministry of Environment and Forests and its Regional Office located at Lucknow, SEIAA, U.P, and UPPCB.

33. Action plan in respect to suggestion/improvement and recommendations made and agreed during Public Hearing shall be submitted to the District mines Officer, concerned Regional Officer of UPPCB and SEIAA within 02 months.
34. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if applicable to this project.
35. The proponent shall observe every 15 days for the nesting of any turtle in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State Wildlife Department. For this purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat/nesting area is undisturbed.
36. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydrogeological regime of the surrounding area shall not be affected.
37. The project proponent shall obtain the necessary prior permission of the competent Authorities for withdrawal of the requisite quantity of water (surface water and groundwater), required for the project.
38. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
39. Vehicular emissions shall be kept under control and regularly monitored. The vehicles carrying the mineral shall not be overloaded.
40. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche, etc. (MoEF circular Dated: 22-09-2008 regarding stipulation of condition to improve the living conditions of construction labour at the site).
41. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. The occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures if needed.
42. A copy of the clearance letter shall be sent by the proponent to the concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body, and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
43. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Lucknow by e-mail.
44. The green cover development/tree plantation is to be done in an area equivalent to 20% of the total leased area either on the river bank or along the roadside (Avenue Plantation).

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45. Debris from the river bed will be collected and stored at a secured place and may be utilized to strengthen the embankment.
46. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include a measure for treatment of bite of poisonous reptile/insect-like snake.
47. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.

**Specific Conditions for Sand/Moram Mining:-**

1. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National Park/ Sanctuary prior permission of the statutory committee of National Board for wildlife under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
2. If in future this lease area becomes part of a cluster of equal to or more than 05 ha. then additional conditions based on the EIA shall be imposed. The leaseholder shall mandatorily follow cluster conditions otherwise it will amount to a violation of E.C. conditions. If the certificate related to the cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
3. The Environmental clearance will be co-terminus with the mining lease period.
4. Project falling within 10 KM area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco-sensitive zone is not earmarked.
5. To avoid the ponding effect and adverse environmental conditions for sand mining in the area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
6. Geo-coordinates should be verified by Director, DGM/District Magistrate/Regional Mining Officer/NHAI and should be submitted to SEIAA/SEAC, Secretariat as earliest.
7. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and the area is less than 05ha, but factually the distance is less than 500 mt, and the mine is located in a cluster of areas equal or more than 05ha, the E.C issued will stand revoked.
8. The project proponent shall in 2 years conduct a detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for the midterm review of conditions of Environmental Clearance.
9. The mining work will be open-cast and manual/semi-mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machines such as excavators, scoopers, etc. should not be employed for mining purposes. No drilling/blasting should be involved at any stage.
10. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width which-ever is less, shall be left on both the banks of the precise area to control and avoid erosion of the riverbank. The mining is confined to the extraction of sand/moram from the river bank only.
11. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
12. The project proponent shall adhere to mining in conformity to the plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e., the distance from the bank of the river to be left un-worked (Non-mining area), distance from the bridges, etc. It shall be ensured that no mining shall be carried out during the monsoon season.
13. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
14. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of



the workers engaged in the project shall be carried out and records maintained. For this purpose, a schedule of health examinations of the workers should be drawn and followed accordingly.

15. The critical parameters such as PM10, PM2.5, SO<sub>2</sub>, and NO<sub>x</sub> in the ambient air within the impact zone shall be monitored periodically. Further, the quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS))].
16. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
17. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
18. The extended mining scheme will be submitted by the proponent before the expiry of the present mining plan.
19. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
20. Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO<sub>2</sub>, and NO<sub>x</sub>. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
21. The common road for transportation of minerals is to be maintained collectively. The total cost will be shared/worked out based on lease area among users.
22. The proponent will provide adequate sanitary facilities in the form of mobile toilets to the labours engaged in the project work.
23. Solid waste material viz., gutkha pouches, plastic bags, glasses, etc. to be generated during project activity will be separate storage in bins and managed as per Solid Waste Management rules.
24. Green area/belt to be developed along haulage road in consultation with Gram Sabha/Panchayat.
25. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
26. Digital processing of the entire lease area in the district using remote sensing techniques should be done regularly once in three years for monitoring the change of river course by the Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Regional office of MoEF, SEIAA, U.P., and UPPCB.
27. A copy of the clearance letter will be marked to the concerned Panchayat / local NGO, if any, from whom suggestion/representation has been received while processing the proposal. The clearance letter shall also be put on the website of the company.
28. State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industry Centre, and Collector's office/Tehsildar's Office for 30 days.
29. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at the web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Regional Office of the Ministry located in Lucknow, CPCB, State PCB.

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30. The MoEF/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environmental protection.
31. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
32. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
33. Wastewater from potable use should be collected and reused for sprinkling.
34. During the school opening and closing time, vehicle movement will be restricted.
35. A width of not less than 50 meters or 10% width of the river can be restricted for mining activities from the river bank. A condition can be imposed that mining will be done from river activities from the river bank.

**Annexure-5**

**General & SPECIFIC CONDITION of Oil and Gas Exploration category - 1(b)**

**A. SPECIFIC CONDITION**

1. Project proponent(PP) shall obtain separate Environment Clearance for commercial drilling and exploration as this proposal is for drilling of Exploration activity only as per EIA Notification, 2006 and amended dated 16.01.2020 {Category B2 of activity 1(b)}
2. No drilling shall be carried out in protected areas.
3. The company shall make all arrangements at the drilling site to prevent runoff of any oil-containing waste into the nearby water bodies. A separate drainage system shall be created for oil-contaminated and non-oil-contaminated. Effluent shall be properly treated and treated wastewater shall conform to CPCB/UPPCB standards.
4. Drill cuttings separated from drilling fluid shall be adequately washed and disposed of according to the HWMH rule, 2016. No effluent/ drilling mud/ drill cutting shall be discharged/disposed of into nearby surface water bodies. The company shall comply with the guidelines for disposal of solid waste, drill cutting and drilling fluids for onshore drilling operation notified vide GSR. 546 dated 30<sup>th</sup> August 2005
5. Oil spillage prevention and mitigation schemes shall be prepared. In case of oil spillage/ contamination, an action plan shall be prepared to clean the site by adopting proven technology. The recyclable waste (oily sludge) and spent oil shall be disposed of by the authorized recyclers.
6. After completion of drilling activities, in case of non-availability of hydrocarbons, the site shall be restored to its normal condition as per the prevailing Rules/Guidelines/Site restoration policy.
7. PP shall adopt best drilling practices and drilling operations shall be designed in such a way that there is no chance of contamination of groundwater aquifer.
8. PP shall take all precautionary measures to avoid any contamination of groundwater.
9. The National Ambient Air Quality Emission Standards issued by the Ministry/vide G.S.R.No. 826(E) dated 16<sup>th</sup> November 2009 shall be complied with.
10. The unit shall have to adhere to the prevailing area-specific policies of UPCB concerning the discharge of pollutants, and shall carry out the project development in accordance & consistent with the same. The project proponent must strictly adhere to the stipulations made by the Uttar Pradesh Pollution Control Board, State Government, and/or any other statutory authority.
11. The company shall develop a contingency plan for H<sub>2</sub>S release including all necessary aspects from evacuation to resumption of normal operations. The workers shall be provided with personal H<sub>2</sub>S detectors in locations of high risk of exposure along with self-containing breathing apparatus.
12. Company shall prepare operating manual in respect of all activities, which would cover all safety & Environment related issues and measures and measures to be taken for protection. One set of environment manuals shall be made available at the drilling site/ project site. Awareness shall be created at each level of management. All the schedules and results of environmental monitoring shall be available at the project site office. Remote monitoring of the site should be done.

13. **Safety & Health:**

- a) PP shall carry out mock drills within the premises as per the prevailing guidelines of safety and display a proper evacuation plan in the manufacturing area in case of any emergency or accident.
- b) PP shall take all the necessary steps for human safety within premises to ensure that no harm is caused to any worker/employee or labor within premises.
- c) The consequence arising out of incidents such as Well Blow Out, Fire, Explosion, Natural Calamities, etc. Shall be accurately predicted with the help of the latest technique available by various Risk Analysis Studies and unit shall submit Disaster Management Plan (DMP) to the concerned authority based on such probable scenarios.
- d) Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.
- e) First Aid Box shall be made readily available in the unit.
- f) Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken on regular basis as per Factories Act & Rules.
- g) The company shall take necessary measures to prevent fire hazards, containing oil spills and soil remediation as needed.
- h) Blow out preventer system shall be installed to prevent well blowouts during drilling operations.
- i) The emergency response plan shall be base on the guidance prepared by OISD, DGMs, and Govt. of India.

## **WATER**

- 1. Total Water requirement for the project shall not exceed 105 KLD per well (87 KLD for drilling & 18 KLD for early production). The freshwater requirement shall not exceed 105 KLD per well and it shall be met through tankers.
- 2. PP shall not dig borewell for freshwater requirements.
- 3. The industrial effluent generation from the project shall not exceed 40 KLD per well.
- 4. Total industrial effluent generated from various activities shall be treated in mobile ETP followed by UF & RO and reused back in the process.
- 5. PP shall obtain prior permission for disposal of treated effluent.
- 6. Zero Liquid Discharge [ZLD] status shall be maintained all the time and there shall be no drainage connection from the premises.
- 7. Domestic wastewater generation shall not exceed 12 KL/day per well for the proposed project and it shall be treated in STP. Treated sewage shall be utilized for gardening and plantation purpose within premises after achieving on-land discharge norms prescribed by the UPPCB.
- 8. During monsoon season when treated sewage may not be required for the plantation/ Gardening/Green belt purpose, it shall be stored within premises. There shall be no discharge of wastewater outside the premises in any case.
- 9. Unit shall provide buffer water storage tank of adequate capacity for storage of treated wastewater during rainy days.
- 10. The Unit shall provide a metering facility at the ETP, UF, RO, & STP and maintain records for the same.

11. Proper logbooks of ETP, UF, RO,& STP; treated effluent reused in gardening/plantation; consumption in effluent treatment; quantity & quality of treated effluent; power consumption, etc. shall be maintained and shall be furnished to the UPPCB from time to time.

### **AIR**

1. Unit shall provide adequate APCM with flue gas generation sources
2. There shall be no process, gas emission from drilling & exploration activities, and other ancillary operations.
3. The fugitive emission in the work zone environment is monitored. The emission shall conform to the standards prescribed by the concerned authorities from time (e.g. Director of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce fugitive emissions.
  - The internal road shall be either concreted or asphalted or paved to reduce fugitive emission during vehicular movement.
  - Air Borne dust shall be controlled with water sprinklers at suitable locations in the plant.
  - A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.
4. Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.
5. Regular monitoring of the ground-level concentration of PM10, PM2.5, SO<sub>2</sub>, NO<sub>x</sub>, and VOCs shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the UPPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the UPPCB.

### **SOLID / HAZARDOUS WASTE:**

6. All the Solid/ Hazardous waste management shall be taken care of as mentioned below:

S. No	Nature of waste	Quantity during Drilling Activities	Mode of Disposal
<b>A</b>	<b>Hazardous Waste</b>		
1	Drill cuttings associated with SBM	500-1500 tons/well	Cuttings will be washed and contained in the cuttings disposal area (HDPE lined collection pit) provided per the requirement of HW(MHTM), 2016 Rules
2	Spent /Residual drilling mud	250-500 tons/well	The mud will be disposed of as per Hazardous Waste Rules, 2016
3	Used Lubricating oil, Sludge containing oil, and other drilling work	1-2 tons/well 250-500 tons/well	Used oil will be sent to CPCB authorized recyclers. The oil-contaminated sludge will be disposed of as per Hazardous Waste Rules,

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S. No	Nature of waste	Quantity during Drilling Activities	Mode of Disposal
			2016
<b>B</b>	<b>Non-Hazardous Waste</b>		
4	Drill cuttings associated with WBM	250-750 tons/well	Cuttings will be washed and contained in the cuttings disposal area (HDPE lined collection pit) and disposed of suitably.
5	Food waste	25-30 Kg per well	Food waste will be stored in a closed container and composted.
6	Non-combustible waste containing metallic residues, glass	1000-1200 Kg/well	To be disposed of their registered vendors periodically.
7	Packaging wastes including drums, wooden pallets, plastic containers, plastic foils.	1000 kg/well	To be analyzed for the trace/heavy metals content before disposing suitably
8	Leftover chemicals and materials, scrap metal, sludges, scales, batteries, spent acids, spent lubricants, filters, etc.	250-300 kg/well	Scrap metal and recoverable material to the salvages before dispose of balance material the registered vendors
9	Cement, grit, blasting, and painting wastes.	500 kg per well	To be disposed of their registered vendors periodically.

32. Unit shall explore the possibilities for environment-friendly methods like co-processing of Hazardous waste for disposal of Incinerable & land fillable wastes before sending to Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF) sites respectively.

**OTHER**

1. The project proponent shall also comply with any additional conditions that may be imposed by the SEAC or the SEIAA or any other competent authority for environmental protection and management.
2. Necessary permissions as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (prevention and control pollution) Act, 1981, as applicable from time to time, shall be obtained from the State Pollution Control Board.
3. The project proponent shall allocate the separate fund of Rs. 6.02 Crore i.e. 1.5% of the capital investment for the activities in accordance to the MoEFCC's Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the Regional Office of MoEF&CC as a part of the half-yearly compliance report and to the district collector. The monitoring report shall be posted on the website of the project proponent.
4. All the environmental protection measures and safeguards proposed in Form-1 & PFR submitted by the project proponent and commitments made in their application shall be strictly adhered to in letter and spirit.

**B. GENERAL CONDITION**

**CONSTRUCTION PHASE:**

1. Water demand during construction shall be reduced by the use of curing agents, superplasticizers, and other best construction Practices
2. The project proponent shall ensure that the surrounding environment shall not be affected due to construction activity. Construction materials shall be covered during transportation and regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.
3. All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.
4. First Aid Box shall be made readily available in adequate quantity at all times.
5. The project proponent shall strictly comply with the Building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and Uttar Pradesh rules made thereunder and their subsequent amendments. Local bye-laws of concern authority' shall be complied 'in letter and spirit.
6. Ambient noise levels. shall conform to residential standards both during day and night. Incremental pollution load on the ambient air and noise quality shall be closely monitored during the construction phase.
7. Use of Diesel Generator (JG) sets during the construction phase shall be strictly equipped with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.
8. Safe disposal of wastewater and municipal solid wastes generated during the construction phase shall be ensured.
9. All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.
10. Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and the balance quantity of excavated earth shall be disposed of with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during the construction phase shall not create an adverse effect on neighboring communities.
11. The project proponent shall ensure the use of eco-friendly building materials including fly ash bricks, fly ash paver blocks, Ready Mix Concrete [RMC) and lead-free paints in the project.
12. Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the E.P. Act, 1986 and its subsequent amendments from time to time.
13. Windbreaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided. Individual buildings within the project site shall also be provided with barricades.
14. "No uncovered vehicles carrying construction material and waste shall be permitted."
15. "No loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured."
16. Roads leading to or at the construction site must be paved and blacktopped (i.e. - metallic roads).

17. No excavation of soil shall be carried out without adequate dust mitigation measures in place.
18. Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.
19. Grinding and cutting of building materials in open areas shall be prohibited.
20. Construction material and waste should be stored only within the earmarked area and roadside storage of construction material and waste shall be prohibited.
21. Construction and demolition waste processing and disposal sites shall be identified and required dust mitigation measures are notified at the site. (If applicable).

**OPERATION PHASE:**

**WATER:**

1. The water meter shall be installed and records of daily and monthly water consumption shall be maintained.
2. All efforts shall be made to optimize water consumption by exploring Best Available Technology (BAT). The Unit shall continuously strive to reduce, recycle and reuse the treated effluent.

**AIR:**

1. In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there Should not be any adverse impact on human health & environment. Unit shall carry out third-party monitoring of the proposed Spray dryer & its APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to UPPCB every year along with half-yearly compliance report.
2. The acoustic enclosure shall be provided to the DG sets (If applicable) to mitigate the noise pollution and Shall conform to the EPA Rules for air and noise emission standards.
3. Stack/ Vents (Whichever is applicable) of adequate height shall be provided as per the prevailing norms for flue gas emission/Process gas emission.
4. Flue gas emission & Process gas emission (If any) shall conform to the standards prescribed by the UPPCB/CPCB/MoEF&CC. At no time, the emission level should go beyond the stipulated standards.
5. All the reactors/vessels used in the manufacturing process shall be closed to reduce the fugitive emission

**HAZARDOUS/SOLID WASTE:**

1. The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the UPPCB shall be obtained for collection/treatment/storage/disposal of hazardous wastes.
2. Hazardous wastes shall be dried, packed, and stored in a separate designated hazardous waste storage facility with a bottom and leachate collection facility, before its disposal.
3. The unit shall obtain the necessary permission from the nearby TSDF site and CHWIF. (Whichever is applicable)
4. Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the) Motor Vehicle Act, 1988, and rules made thereunder.
5. The design of the Trucks/tankers shall be such that there is no spillage during transportation



6. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.
7. Management of fly ash (If any) shall be as per the Fly ash Notification 2009 & its amendment from time to time and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit.

**SAFETY:**

1. The occupier/manager shall strictly comply with the provisions under the Factories Act 1948.
2. The project authorities shall strictly comply with the provisions made in Manufacture, Storage, and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended from time to time, and the Public Liability Insurance Act for the handling of hazardous chemicals, etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before the commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.
3. Main entry and exit shall be separate and clearly marked in the facility.
4. Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.
5. Storage of flammable chemicals shall be sufficiently away from the production area.
6. Sufficient number of fire extinguishers shall be provided near the plant and storage area.
7. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic/hazardous chemicals.
8. All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.
9. The project management shall ensure to comply with all the environment protection measures, risk mitigation measures, and safeguards mentioned in the Risk Assessment report.
10. Only flame-proof electrical fittings shall be provided in the plant premises.
11. Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks/containers instead of one single large capacity tank/container.
12. All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.
13. Handling and charging of the chemicals shall be done in a closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
14. Tie-up shall be done with nearby health care unit/doctor for seeking immediate medical attention in the case of emergency.
15. Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.
16. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
17. Training shall be imparted to all the workers on the safety and health aspects of chemicals handling.
18. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.

19. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.
20. The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.
21. Necessary permissions from various statutory authorities like PESO, Factory Inspectorate, and others shall be obtained prior to the commissioning of the project.

**NOISE:**

1. The company shall make all arrangements for the control of noise from the drilling activities.
2. The overall noise level in and around the plant area shall be kept well within the standard including engineering controls like acoustic insulation, hoods, silencers, enclosures, etc. ambient noise level shall conform to the standards prescribed under Environment (Protection) Act, & Rules, 1986 amended from time to time.
3. Noise levels for workers shall be as per the Factories Act & Rules.

**CLEANER PRODUCTION AND WASTE MINIMISATION:**

1. The unit shall undertake the Cleaner Production Assessment study through a reputed institute/organization and shall form a CP team in the company. The recommendations thereof along with the Compliance shall be furnished to the UPPCB.
2. The company shall undertake various waste minimization measures Such as:
  - i. Metering and control of active ingredients to minimize waste.
  - ii. Reuse of by-products from the process as raw materials or as raw materials substitutes.
  - iii. Use of automated and close filling to minimize spillages.
  - iv. Use of close feed system Into batch reactors.
  - v. Venting equipment through vapour recovery system.
  - vi. Use of high-pressure hoses for cleaning to reduce wastewater generation.
  - vii. Recycling of washes to subsequent batches.
  - viii. Recycling of system condensate.
  - ix. Sweeping/ mopping of the floor instead of floor washing to avoid effluent generation.
  - x. Regular preventive maintenance for avoiding leakage, spillage, etc.

**GREEN BELT AND OTHER PLANTATIONS:**

1. The unit shall develop a green belt within the premises as per the CPCB guidelines. However, if adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in any other open areas in consultation with the Forest Department/UPPCB and submit an action plan of plantation for the next three years to the UPPCB.
2. Drip irrigation/low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.

**OTHER CONDITION:**

1. The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance with the MoEFCC's Office Memorandum No. F.No.22-65/2017-IA.III dated

01/05/2018 to carry out the activities under CER in the affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of the half-yearly compliance report and to the district collector. The monitoring report shall be posted on the website of the project proponent.

2. Rain water harvesting of surface, as well as rooftop runoff, shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run-off, pretreatment must be done to remove suspended matter.
3. The unit shall join and participate financially and technically for any common environmental facility/infrastructure as and when the same is taken up either by the Industrial Association UPSIDC or UPPCB or any such authority created for this purpose by the Govt. / UPSIDC
4. Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens, and street lighting in addition the provision for solar water heating system shall also be provided.
5. The area earmarked as a green area shall be used only for plantation and shall not be altered for any other purpose.
6. All the commitments/undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.
7. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SE1AA or any other competent authority for the purpose of environmental protection and management.
8. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.
9. The project authorities must strictly adhere to the stipulations made by the Uttar Pradesh Pollution Control Board (UPPCB), State Government, and any statutory authority.
10. During material transfer there shall be no spillages and garland drains shall be constructed to avoid mixing of accidental spillages with domestic wastewater or stormwater.
11. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas, and chemical handling areas to minimize soil contamination.
12. Leakages from pipes, pumps shall be minimal and if occurs, shall be arrested promptly.
13. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
14. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991, along with their amendments and rules.
15. The project proponent shall comply with all the conditions mentioned in "The Companies '(Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.
16. The project management shall ensure that the unit complies with all the environment protection measures, risk mitigation measures, and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by the project proponent.

17. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as UPPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
18. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the UPPCB and may also be seen at the Website of SEIAA/ SEAC/ UPPCB. This shall be advertised within seven days from the date of the clearance letter in at least two local newspapers that are widely circulated in the region, one of which shall be in the Uttar Pradesh language and the other in English. 'A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
19. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
20. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
21. The project authorities shall also adhere to the stipulations made by the Uttar Pradesh Pollution Control Board.
22. The SEIAA may revoke or suspend the clearance if the implementation of any of the conditions is not found satisfactory.
23. The company in a time-bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions if the same is found necessary.
24. The project authorities shall inform the UPPCB, Regional Office of MoEF, and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
25. This environmental clearance is valid for seven years from the date of issue.
26. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
27. Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes, this environment clearance cancelled.
28. At the time of Construction/Operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19
29. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs GOI and others) anti-smog guns shall be installed to reduce dust during excavation.
30. The project proponent shall submit within the next 3 months the data of groundwater quality including fluoride parameters to the limit of minimum deduction level for all six monitoring stations.
31. Plantation of trees should be of local indigenous species and may be as per the consultation of the local district Forest Officer.
32. The wastewater generated should be treated properly in a scientific manner i.e., domestic wastewater to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluents shall be treated separately.
33. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

34. Municipal solid waste shall be disposed of/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
35. The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purposes involved in the project.
36. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
37. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and be approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (In case of the presence of schedule-I species in the study area).
38. The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
39. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of groundwater / from the competent authority concerned in case of drawl of surface water required for the project.
40. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
41. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
42. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as a cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche, and First Aid Room, etc.
43. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
44. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed of off to the approved sites for landfilling after recovering recyclable material.
45. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of the resolution of the board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
46. No parking shall be allowed outside the project boundary.
47. Digging of basement shall be undertaken on account of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that the natural drainage system of the area is protected and improved.
48. Surface rainwater has to be collected in the kaccha pond for groundwater recharging and irrigation of horticulture and peripheral plantation.

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49. The approval of competent authority shall be obtained for the structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment, etc. as per the National Building Code including measures from lighting.
50. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of the competent authority.
51. The diesel generator sets to be used during the construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
52. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during the construction phase. Adequate measures should be made to reduce ambient air and noise level during the construction phase, to conform to the stipulated standards by CPCB/UPPCB.
53. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential areas and pollution is also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including the selection of plant species and in consultation with the local DFO/ Agriculture Dept.
54. Pavements shall be so constructed as to allow infiltration of surface run-off of rainwater. Construction of pavements around trees should be able to facilitate suitable watering, aeration, and nutrition to the tree.
55. Roof topwater in the rainy season is to be discharged into RWH pits for groundwater recharging. The arrangement shall be made that wastewater and stormwater do not get mixed.
56. This environmental clearance is issued subject to land use verification. Local authority/planning authority should ensure this concerning Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.

**(Nodal SEAC-1)**

**(Dr. Ajai Mishra)**  
**Member**

**(Om Prakash Srivastava)**  
**Member**

**(Dr. Brij Bihari Awasthi)**  
**Member**

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(Umesh Chandra Sharma)  
**Member**

(Dr. Ratan Kar)  
**Member**

(Director Environment)  
**Member Secretary**

(Rajive Kumar)  
**Chairman**